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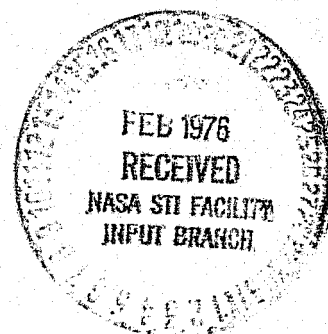
*A Reduced Star Catalog Containing
5116 Designated Stars*

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(NASA-CF-145823) A REDUCED STAR CATALOG
CONTAINING 5116 DESIGNATED STARS (Jet
Propulsion Lab.) 335 p HC \$10.00 CSCL 03A

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PREFACE

The work described in this report was performed by the Guidance and Control Division of the Jet Propulsion Laboratory, under the cognizance of the Viking 1975 Project.

Inquiries or comments regarding the material presented in this report are solicited.

Contents

I. Introduction	1
II. Explanation of the Reduced Star Catalog	2
III. Description of the Reduced Star Catalog	3
References	7
Tables	
1. Names and Abbreviations for the Constellations	8
2. Computer abbreviation of Greek alphabet and lower case letters	10
3. Star designations and star data order by designations . . .	11
4. Star designations and star data ordered by right ascension (1950.0)	116
5. Star designations and star data ordered by visual magnitude	219
6. Notes	322

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Abstract

This document is the second in a series of publications presenting data, compiled by JPL, which is to be included in the JPL Astronautical Star Catalog. Positional and color magnitude data for the 5116 designated stars, which are to be included in the catalog, are given.

I. INTRODUCTION

The increasing use of celestial instruments aboard unmanned spacecraft has created the need for a comprehensive collection of celestial data which is in concord with the special requirements of these instruments. These instruments may be concerned with spacecraft attitude control, such as star and planet sensors, or navigational oriented instruments, such as on-board TV cameras. Evaluation of measurements from scientific instruments, such as infrared and ultraviolet spectrometers, also requires knowledge of the stellar background.

In order to meet those specialized requirements of the scientist or engineer associated with or interested in celestial sensing devices, the Jet Propulsion Laboratory (JPL) is compiling celestial and allied data which is to form the JPL Astronautical Star Catalog (JASC). When completed the JASC will contain in one source accurate positions (right ascension and declinations), proper motions, and color magnitudes (such as the Johnson U, B, V, R, I magnitudes) available for stars down to the eighth magnitude, plus other useful information.

This document is the second in a series of publications presenting data, compiled by JPL, which is to be included in the JPL Astronautical Star Catalog (JASC). All of the stars bearing designations which will appear in the JASC comprise the 5116 stars of this paper. Although proper names do not appear in this report, every star that bears both a designation and a proper name appeared in the first publication of this series (see reference 14), making the first publication a subset of the present report.

Sections II and III and Tables 1 and 2 form the explanation for Tables 3 through 5. The star data presented in Table 3 has been stored on magnetic tape.

II. EXPLANATION OF THE REDUCED STAR CATALOG

The "Reduced Star Catalog Containing 5116 Designated Stars" consists of the data contained in Tables 3 and 6. The data presented in Table 3 has been listed alphabetically by star constellation.

Since it is often more convenient to locate desired stars by other criteria than star constellation, Table 3 has been reordered. These new lists are given in Tables 4 and 5. These new orderings, plus Table 3, are:

- (1) Data ordered by star constellation (Table 3).
- (2) Data ordered by increasing right ascension (EME50) (Table 4).
- (3) Data ordered by decreasing visual magnitude (Table 5).

Tables 1 and 2 contain explanatory information needed in conjunction with the description of data contained in Table 3. Table 6 contains additional notes for those stars contained in Tables 3 through 5.

III. DESCRIPTION OF THE REDUCED STAR CATALOG

Since the columns of Tables 3 through 5 are identical, it is only necessary to discuss the data in Tables 3 and 6, which constitutes the reduced star catalog presented in this paper. Each of the columns of Table 3 (identical to those of Tables 4 through 5) is presented and described below.

Column 1 -- Number

The star number associated with the "Reduced Star Catalog Containing 5116 Designated Stars."

Column 2 -- Star Designation

The star designation consists of three parameters, for instance,

55 ZET-1 AQR

The first parameter, 55, is the Flamsteed number associated with this particular star.

The second parameter, ZET-1, is the Bayer designation of this particular star. The designation ZET-1 is a computer shorthand notation for the Greek letter and superscript ζ^1 . The star designation may also be letters of the alphabet which are Bayer, Lacaille, Argelander or Kukarkin designations for stars. Table 2 lists the computer shorthand notation used for the Greek alphabet and lower case letters. The designation, Vxxxx, is used by Kukarkin to denote variable stars, see references 4 through 6. It should be noted that there is some uncertainty in matching SAO positions with some of the dimmer stars taken from the Kukarkin variable star catalogs. Relating SAO stars with Kukarkin stars was accomplished by determining, if any, those SAO entries for which the Earth Mean Equator positions epoch 1900 were within 1 minute of arc of a Kukarkin entry also Earth Mean Equator, epoch 1900 coordinates. The Durchmusterung (DM) number from both catalogs was compared as a further check. The DM was not available for all entries in the Kukarkin sources and for some of the dimmer stars (<9 magnitude) the large uncertainties in the Kukarkin positions make positive identification difficult. If the magnitude and/or spectral classification were a reasonable match between the two catalogs, a positive match was assumed.

The third parameter is the abbreviation of the star constellation Aquarius in which this particular star lies. The list of constellation abbreviations which will be used by the JPL Astronautical Star Catalog is given in Table 1. It should be noted that the conventional SERPENS (SER) does not appear in the list. Since the constellation Serpens consists of two disjoint areas (serpens cauda and serpens caput), it was decided to use the abbreviations SCA and SCP for the two disjoint areas, respectively, with SCA + SCP = SER. The star designations were determined from Refs. 1, 2, and 3.

Column 3 - Right Ascension

The right ascension of the star, epoch 1950.0.

Column 4 - Declination

The declination of the star, epoch 1950.0.

Column 5 - Position Note (PN)

Three letters or a blank appear in this column, each denoting information concerning the right ascension and declination given. The JPL Astronautical Star Catalog will take as its fundamental source of star position and proper motion the Smithsonian Astrophysical Observatory Star Catalog (Ref. 7).

BLANK Position is that given by Ref. 7, the Smithsonian Catalog. With the exception of three stars (positions are from reference 3) this is true for all stars in the reduced catalog.

C Position given is that of the center of gravity of a multiple physical system of stars, as indicated by Reference 3.

L Position given is that of the center of integrated light of a multiple system of stars, as indicated by Reference 3.

N See the notes, Table 6, for comments on the listed position.

Column 6 - Proper Motion in Right Ascension

The proper motion in right ascension, seconds of time/annum, for the star. Reference 7 is the source of this data with the exception of three stars whose data is from Reference 3.

Column 7 - Proper Motion in Declination

The proper motion in declination, seconds of arc/annum, for the star. Reference 7 is the source of this data with the exception of three stars whose data is from Reference 3.

Column 8 - Visual Magnitude

Unless indicated otherwise (Column 9), this is the Johnson-Morgan V magnitude from Reference 9.

Column 9 - Visual Magnitude Note (VN)

Source of visual data.

- BLANK: Visual data is from Ref. 9.
1: Visual data is from Ref. 10.
2: Visual data is from Ref. 11.
3: Visual data is from Ref. 12.
4: Visual data is from Ref. 3.
5: Visual data is from Ref. 8.
6: Visual data is from Ref. 7.
7: Visual data is from Refs. 4 through 6.

Column 10 - Blue Magnitude

Unless indicated otherwise (column 11), this is the Johnson-Morgan B magnitude from reference 9.

Column 11 - Blue Magnitude Note (BN)

Source of Blue data. Codes are as defined under Column 9.

Column 12 - Ultraviolet Magnitude

Unless indicated otherwise (column 13), this is the Johnson-Morgan U magnitude.

Column 13 - Ultraviolet Magnitude Note (UN)

Source of Ultraviolet data. Codes are as defined under Column 9.

Column 14 - Spectral Class

Spectral classification in the Morgan-Keenan system, unless indicated otherwise by Column 15.

Column 15 - Spectral Classification Note (SN)

Source for spectral classification. Codes are as defined under column 9.

Column 16 - SAO Catalog Number

Smithsonian Astrophysical Observatory (SAO) catalog number. See reference 7.

Column 17 - Star Properties

Special star properties:

- D Double- or multiple-star system
- V Variable star

Special star properties were indicated by Refs. 1 through 9 and 13.

Column 18 - Notes

Special comments, given in Table 6, are indicated by numbers 1 through 165.

Table 6 contains notes associated with those stars as denoted by column 18 in Tables 3 through 5.

Table 6 has three columns:

Column 1 -- Note number

That number listed in column 18 in Tables 3 through 5.

Column 2 -- Designation

The designation of the star for which the comment relates.

Column 3 -- Comment

Special comment relating to the data given for the star of interest.

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TABLE 1. Names and Abbreviations for the Constellations

Constellation Name	Genitive	Abbreviation
Andromeda	Andromedae	And
Antlia	Antliae	Ant
Apus	Apodis	Aps
Aquarius	Aquarii	Aqr
Aquila	Aquilae	Aql
Ara	Arae	Ara
Aries	Arietis	Ari
Auriga	Aurigae	Aur
Bootes	Bootis	Boo
Caelum	Caeli	Cae
Camelopardalis	Camelopardalis	Cam
Cancer	Cancri	Cnc
Canes Venatici	Canum Venaticorum	CVn
Canis Major	Canis Majoris	CMA
Canis Minor	Canis Minoris	CMi
Capricornus	Capricorni	Cap
Carina	Carinae	Car
Cassiopeia	Cassiopeiae	Cas
Centaurus	Centauri	Cen
Cepheus	Cephei	Cep
Cetus	Ceti	Cet
Chamaeleon	Chamaeleontis	Cha
Circinus	Circini	Cir
Columba	Columbae	Col
Coma Berenices	Comae Berenices	Com
Corona Austrinus	Cononae Austrini	CrA
Corona Borealis	Coronae Borealis	CrB
Corvus	Corvi	Crv
Crater	Crateris	Crt
Crux	Crucis	Cru
Cygnus	Cygni	Cyg
Delphinus	Delphini	Del
Dorado	Doradus	Dor
Draco	Draconis	Dra
Equuleus	Equulei	Equ
Eridanus	Eridani	Eri
Fornax	Fornacis	For
Gemini	Geminorum	Gem
Grus	Gruis	Gru
Hercules	Herculis	Her
Horologium	Horologii	Hor
Hydra	Hydrae	Hya
Hydrus	Hydri	Hyi
Indus	Indi	Ind

TABLE 1. Names and Abbreviations for the Constellations (cont.)

Constellation Name	Genitive	Abbreviation
Lacerta	Lacertae	Lac
Leo	Leonis	Leo
Leo Minor	Leonis Minoris	LMi
Lepus	Leporis	Lep
Libra	Librae	Lib
Lupus	Lupi	Lup
Lynx	Lyncis	Lyn
Lyra	Lyrae	Lyr
Mensa	Mensae	Men
Microscopium	Mircoscopii	Mic
Monoceros	Monocerotis	Mon
Musca	Muscae	Mus
Norma	Normae	Nor
Octans	Octantis	Oct
Ophiuchus	Ophiuchi	Oph
Orion	Orionis	Ori
Pavo	Pavonis	Pav
Pegasus	Pegasi	Peg
Perseus	Persei	Per
Phoenix	Phoenicis	Phe
Pictor	Pictoris	Pic
Pisces	Piscium	Psc
Piscis Austrinus	Piscis Austrini	PsA
Puppis	Puppis	Pup
Pyxis	Pyxidis	Pyx
Reticulum	Reticuli	Ret
Sagitta	Sagittae	Sge
Sagittarius	Sagittarii	Sgr
Scorpius	Scorpii	Sco
Sculptor	Sculptoris	Scl
Scutum	Scuti	Sct
Serpens Caput	Serpentis Caput	Scp
Serpens Cauda	Serpentis Cauda	Sca
Sextans	Sextantis	Sex
Taurus	Tauri	Tau
Telescopium	Telescopii	Tei
Triangulum	Trianguli	Tri
Triangulum Australe	Trianguli Australe	TrA
Tucana	Tucanae	Tuc
Ursa Major	Ursae Majoris	UMa
Ursa Minor	Ursae Minoris	UMi
Vela	Velorum	Vel
Virgo	Virginis	Vir
Volans	Volantis	Vol
Vulpecula	Vulpeculae	Vul

Table 2. Computer abbreviations of Greek alphabet
and lower case letters^a

Greek		Lower case	
Abbreviation	Symbol	Abbreviation	Letter
ALP	α	-A	a
BET	β	-B	b
GAM	γ	-C	c
DEL	δ	-D	d
EPS	ϵ	-E	e
ZET	ζ	-F	f
ETA	η	-G	g
THE	θ	-H	h
IOT	ι	-I	i
KAP	κ	-J	j
LAM	λ	-K	k
MU	μ	-L	l
NU	ν	-M	m
XI	ξ	-N	n
OMI	\omicron	-O	o
PI	π	-P	p
RHO	ρ	-Q	q
SIG	σ	-R	r
TAU	τ	-S	s
UPS	υ	-T	t
PHI	ϕ	-U	u
CHI	χ	-V	v
PSI	ψ	-W	w
OME	ω	-X	x
		-Y	y
		-Z	z

^aSuperscripts are denoted as follows: ALP-1 implies α^1
-H-2 implies h^2

TABLE 3
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
1	2	AND	23 00 17.854	+42 29 18.86	+0.0048	-0.000	5.04		5.170				A2		5262*	n	
2	3	AND	23 01 55.867	+49 46 47.88	+0.0167	+0.172	4.66	2	5.72	2	6.60	2	K0III		52649		
3	4	AND	23 05 21.702	+46 07 00.65	-0.0014	-0.026	5.33	2	6.74	2	8.46	2	K5III		52711	n	
4	5	AND	23 05 28.677	+49 01 23.31	+0.0154	+0.137	5.73						F5V		52713		
5	6	AND	23 08 08.184	+43 16 31.53	-0.0179	-0.184	5.95	2	6.39	2	6.34	2	F5IV		52761		
6	7	AND	23 10 15.119	+49 07 58.27	+0.0092	+0.102	4.53	2	4.83	2	4.87	2	F0V		52787		
7	8	AND	23 15 25.132	+48 44 30.65	+0.0035	+0.013	4.86	2	6.53	2	8.50	2	GM2		52871	OV?	
8	10	AND	23 17 29.158	+41 48 14.77	+0.0035	+0.015	5.77						GM0		52914		
9	11	AND	23 17 09.545	+48 21 03.09	+0.0017	+0.061	5.28						K0III		52907		
10	12	AND	23 18 28.097	+37 54 32.77	+0.0109	-0.060	5.66						DF5		73100		
11	13	AND	23 24 42.403	+42 38 11.22	+0.0081	+0.020	5.59		5.590				B9		53030		
12	14	AND	23 28 49.484	+38 57 41.12	+0.0246	-0.076	5.22	2	6.24	2	7.10	2	G8III		73311		
13	15	AND	23 32 10.367	+39 57 38.30	-0.0015	-0.040	5.59	2	5.69	2	5.77	2	A2III		73346		
14	18	AND	23 36 42.416	+50 11 40.85	-0.0018	+0.000	5.27		5.210				B9		35642		
15	22	AND	00 07 42.744	+45 47 38.93	+0.0006	+0.005	5.04	2	5.44	2	5.70	2	F2II		36123		
16	23	AND	00 10 54.552	+40 45 34.17	-0.0104	-0.140	5.60						DA7		36173		
17	26	AND	00 16 03.439	+43 30 49.02	+0.0017	+0.002	6.06		5.980				B9		36256	D	
18	32	AND	00 38 24.046	+39 11 04.33	-0.0010	-0.002	5.33	2	6.22	2	6.82	2	G8III		54079		
19	36	AND	00 52 17.076	+23 21 28.90	+0.0095	-0.026	5.45						SGK1		74359	OV?	
20	39	AND	01 00 05.087	+41 04 36.77	-0.0019	-0.005	5.98	2	6.14	2	6.23	2	A7V		36874	D	
21	41	AND	01 05 08.012	+43 40 34.86	+0.0152	-0.054	4.97						A2M?		36950		
22	44	AND	01 07 27.789	+41 48 58.35	-0.0122	-0.037	5.67		6.270				F8V		36984		
23	45	AND	01 08 21.178	+37 27 31.10	-0.0011	-0.003	5.75		5.650				B7III		54494		
24	47	AND	01 20 48.433	+37 27 16.74	+0.0066	-0.013	5.49		5.750				A M		54655		
25	51	AND	01 34 54.636	+48 22 32.65	+0.0066	-0.108	3.570	1	4.850	1	6.290	1	K3III		37375		
26	55	AND	01 50 16.819	+40 29 02.26	-0.0005	+0.001	5.48						GK1		37587		
27	56	AND	01 53 10.560	+37 00 26.51	+0.0151	+0.010	5.67	2	6.73	2	7.64	2	K0III		55107	n	
28	58	AND	02 05 27.653	+37 37 22.80	+0.0133	-0.036	4.83	2	4.95	2	5.09	2	ASV		55289		
29	59	A AND	02 07 50.209	+38 48 16.40	-0.0013	-0.014	6.05		6.030				B9.5V		55330	D	
30	59	B AND	02 07 51.149	+38 48 29.64	-0.0008	-0.022	6.71						A2		55331	D	
31	63	AND	02 17 38.721	+49 55 24.13	+0.0035	-0.023	5.58		5.440				A SI		37960		
32	64	AND	02 21 04.737	+49 46 51.65	+0.0025	-0.035	5.33						G8III		38005		
33	65	AND	02 22 16.474	+50 03 13.03	+0.0025	-0.010	4.70	2	6.23	2	8.13	2	K4III		23319		
34	66	AND	02 24 29.696	+50 20 51.15	+0.0038	-0.089	6.14						DF1		23353		
35	49	A AND	01 27 05.505	+46 45 00.17	+0.0007	-0.038	5.23						G9III		37275		
36	60	AND	02 10 04.462	+43 59 53.73	-0.0021	-0.008	4.94						K4III		37867	V?	
37	62	AND	02 16 02.464	+47 09 01.73	-0.0058	-0.003	5.02						A1		37948		
38		R AND	00 21 23.025	+38 18 02.28	-0.0007	-0.019	7.39	2	9.36	2	10.61	2	S6-6E		53860	V	
39		T AND	00 19 46.432	+26 43 10.31	+0.0036	+0.053	8.1	4					M3E	4	73930	V	
40		Z AND	23 31 15.316	+48 32 31.54	+0.0002	+0.003	9.5	6					PEC	6	53146	V	
41	AB	AND	23 09 08.609	+36 37 19.19	+0.0091	-0.059	9.1	6	9.870	7					73069	V	
42	9	AN AND	23 16 00.640	+41 30 01.04	-0.0007	-0.007	5.9						A3		52881	V	
43	BC	AND	22 58 37.580	+46 14 30.62	-0.0018	-0.012	8.7	6					MC	6	52594	V	
44	BG	AND	23 28 34.006	+42 59 21.91	+0.0030	+0.036	9.1	6							53108	V	
45	BX	AND	02 05 59.307	+40 33 28.27	+0.0018	-0.018	9.0	6					GO	6	37805	V	
46	BZ	AND	00 34 53.184	+45 19 45.10	-0.0010	+0.001	8.4	6					MA	6	36522	V	
47	CC	AND	00 41 03.148	+42 00 30.58	-0.0021	-0.020	8.8	6	9.130	7					36605	V	
48	CD	AND	01 23 30.959	+44 05 51.37	+0.0024	-0.001	8.6	6					F8	6	37207	V	
49	CF	AND	23 01 22.846	+37 35 03.05	+0.0015	-0.002	8.2	6					MC	6	72968	V	
50	CG	AND	23 58 09.996	+44 58 30.09	+0.0024	+0.010	6.37		6.300				A P		53568	V	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
51	CK AND	23 10 39.889	+42 14 21.26		-0.0003	+0.028	9.1	6							52797	V	
52	CR AND	02 34 54.925	+46 20 32.68		-0.0002	-0.010	8.9	6							78184	V	
53	DV AND	23 02 05.998	+38 06 24.21		+0.0026	-0.004	8.4	6							72979	V	
54	EF AND	00 36 58.306	+46 16 52.28		+0.0011	+0.000	9.4	6							36559	V	
55	EG AND	00 41 52.688	+40 24 22.49		+0.0009	-0.004	7.46	4					GM2E	7	36618	V	
56	ET AND	23 15 34.873	+45 12 56.35		+0.0030	-0.012	6.3	6	6.260	7			B9P	6	52876	V	
57	EW AND	23 24 35.172	+49 14 28.27		-0.0012	+0.015	8.5	6					NB	6	53036	V	
58	GG AND	23 34 53.525	+46 49 51.92		+0.0007	+0.006	8.8	6							53195	V	
59	GL AND	23 52 25.640	+45 06 54.77		+0.0019	+0.014	8.5	6							53474	V	
60	28 GN AND	00 27 28.660	+29 28 34.47		+0.0031	-0.049	5.17						A M		74041	DV	
61	GO AND	00 47 30.141	+44 43 48.35		+0.0065	+0.008	6.14		6.16				AOP	7	36702	V	
62	GR AND	00 25 49.942	+32 09 41.58		-0.0017	-0.019	6.71	4	6.71	7			AOP	6	53921	V	
63	RS AND	23 52 49.816	+48 21 36.49		+0.0007	-0.010	8.5	6					M7	7	53480	V	
64	SW AND	00 21 05.692	+29 07 27.06		-0.0010	-0.028	9.0	6	9.200	7			A7	6	73952	V	
65	TV AND	22 55 46.040	+42 28 07.17		+0.0008	-0.011	9.0	6							52542	V	
66	TW AND	00 00 43.893	+32 34 03.23		+0.0052	+0.002	8.9	6							53603	V	
67	TY AND	23 12 21.996	+40 31 18.67		+0.0015	-0.011	8.8	6					MD	6	52832	V	
68	TZ AND	23 48 21.316	+47 13 47.51		+0.0002	+0.021	8.3	6					M6	7	53416	V	
69	UX AND	02 30 13.070	+45 26 06.36		-0.0025	-0.001	8.6	6							38115	V	
70	UY AND	02 35 13.099	+38 57 33.76		-0.0400	+0.305	9.5	6					N3	7	55730	V	
71	WY AND	23 39 02.132	+47 19 05.91		-0.0014	-0.053	8.4	6							53278	V	
72	21 ALP AND	00 05 47.841	+28 48 52.12		+0.0104	-0.158	2.060	1	1.950	1	1.480	1	B9P		73765		
73	43 BET AND	01 06 55.456	+35 21 21.74		+0.0146	-0.109	2.050	1	3.620	1	5.580	1	M0III		54471	DV?	
74	57 GAM- 1 AND	02 00 49.177	+42 05 27.01		+0.0041	-0.048	2.179	1	3.389	1	4.309	1	K3II		37734	D	1
75	57 GAM- 2 AND	02 00 49.967	+42 05 31.35		+0.0033	-0.051	4.979	1	6.189	1	7.109	1	AOP		37735	D	2
76	31 DEL AND	00 36 38.858	+30 35 15.79		+0.0106	-0.084	3.280	1	4.560	1	6.040	1	K3III		54058	D	
77	30 EPS AND	00 35 54.422	+29 02 26.12		-0.0174	-0.249	4.38	2	5.25	2	5.72	2	G8III		74164		
78	34 ZET AND	00 44 40.968	+23 59 43.95		-0.0073	-0.078	4.06	2	5.18	2	6.05	2	K1II		74267	DV	
79	38 ETA AND	00 54 31.887	+23 08 53.49		-0.0025	-0.037	4.42	2	5.36	2	6.05	2	G8III-IV		74388		
80	24 THE AND	00 14 28.299	+38 24 14.90		-0.0044	-0.015	4.61	2	4.67	2	4.72	2	A2V		53777		
81	17 IOT AND	23 35 40.605	+42 59 28.21		+0.0026	+0.004	4.29	2	4.18	2	3.90	2	B8V		53216	V?	
82	19 KAP AND	23 37 56.259	+44 03 25.16		+0.0075	-0.015	4.14	2	4.06	2	3.82	2	B8V		53264	D	
83	16 LAM AND	23 35 06.520	+46 11 13.82		+0.0154	-0.416	3.820	1	4.840	1	5.540	1	G8III-IV		53204	V	
84	37 MU AND	00 53 58.160	+38 13 42.99		+0.0129	+0.037	3.870	1	3.990	1	4.140	1	A5V		54281	D	
85	35 NU AND	00 47 02.830	+40 48 25.23		+0.0018	-0.016	4.53	2	4.38	2	3.80	2	B5V		36699		
86	46 XI AND	01 19 23.103	+45 16 02.86		+0.0030	+0.012	4.90	2	5.98	2	6.95	2	K0III-IV		37155		
87	1 OMI AND	22 59 36.873	+42 03 25.11		+0.0019	-0.000	3.620	1	3.530	1	3.000	1	B6P		52609	V	
88	29 PI AND	00 34 12.186	+33 26 39.75		+0.0013	-0.000	4.36	2	4.20	2	3.65	2	B5V		54033	D	
89	27 RHO AND	00 18 28.790	+37 41 30.68		+0.0051	-0.034	5.10						F5IV		53828		
90	25 SIG AND	00 15 42.479	+36 30 29.75		-0.0052	-0.035	4.52	2	4.57	2	4.64	2	A2V	2	53798	V?	
91	53 TAU AND	01 37 37.096	+40 19 28.67		+0.0011	-0.021	4.94	2	4.85	2	4.44	2	B8IV		37418	DV?	
92	50 UPS AND	01 33 51.142	+41 09 22.13		-0.0153	-0.379	4.10	2	4.64	2	4.70	2	F8V		37362		
93	42 PHI AND	01 06 35.326	+46 58 32.80		+0.0009	-0.004	4.25	2	4.18	2	3.84	2	B7V		36972	D	
94	52 CHI AND	01 36 20.383	+44 07 57.43		-0.0020	+0.016	5.04						G8II		37406		
95	20 PSI AND	23 43 32.875	+46 08 33.54		+0.0009	-0.000	4.96		6.100				G5IB		53355		
96	48 OME AND	01 24 39.155	+45 08 57.55		+0.0328	-0.100	4.83	2	5.25	2	5.25	2	F4IV		37228	D	
97	R ANT	10 07 35.813	-37 29 09.78		-0.0012	-0.038	7.61	4					A0	4	201114	V	
98	S ANT	09 30 06.988	-28 24 24.28		-0.0057	+0.035	6.4		6.730	7			F0		177619	V	
99	T ANT	09 31 46.781	-36 23 34.78		-0.0009	-0.025	9.28	7	9.770	7			G5	6	200500	V	
100	U ANT	10 32 59.355	-39 18 12.87		-0.0028	-0.005	5.38	2	8.26	2			NB		201533	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
101	Z ANT	10 43 40.327	-34 59 16.97		-0.0011	-0.060	9.7	6							2n1722	V	
102	RR ANT	09 33 38.178	-39 40 45.61		+0.0016	-0.012	9.4	7					MC	6	2n0536	V	
103	XX ANT	09 47 19.670	-38 06 56.79		-0.0017	+0.032	8.6	6					F2	6	2n0776	V	
104	YY ANT	09 59 23.060	-37 51 00.31		+0.0024	-0.016	9.27	4					MB	6	2n0972	V	
105	ALP ANT	10 24 51.646	-30 48 45.30		-0.0059	+0.009	4.25	2	5.70	2	7.33	2	M0III		2n1405	V?	
106	DEL ANT	10 27 17.057	-30 21 02.35		-0.0028	-0.004	5.56	2	5.52	2			B9		2n1442	DV?	
107	EPS ANT	09 27 10.760	-35 43 54.93		-0.0020	-0.007	4.51	2	5.95	2	7.63	2	K4III		2n0416		
108	ZET- 1A ANT	09 28 37.520	-31 40 05.92		+0.0019	-0.031	6.35						A0		2n0445	D	
109	ZET- 1B ANT	09 28 36.972	-31 40 13.06		-0.0013	-0.029	7.21						A0		2n0444	D	
110	ZET- 2 ANT	09 29 23.743	-31 39 02.14		-0.0034	-0.002	5.93	2	6.19	2			F0M		2n0459		
111	ETA ANT	09 56 43.347	-35 39 03.66		-0.0081	-0.024	5.23	2	5.53	2			F0V		2n0926	D	
112	THE ANT	09 41 58.247	-27 32 23.32		-0.0037	+0.030	4.79	2	5.29	2	5.65	2	F7		177908	D	
113	IOT ANT	10 54 22.976	-36 52 06.90		+0.0064	-0.133	4.60	2	5.63	2	6.47	2	G5III		2n1927		
114	R APS	14 52 06.820	-76 27 40.64		-0.0201	-0.015	5.0						GMO		257212	V	
115	DW APS	17 18 14.145	-67 52 52.53		+0.0001	-0.002	8.4	6							253891	V	
116	ALP APS	14 41 32.993	-78 50 05.62		-0.0009	-0.018	3.820	1	5.260	1	6.920	1	K5III		257193		
117	BET APS	16 35 53.074	-77 25 00.28		-0.0859	-0.347	4.24	2	5.30	2	6.25	2	K0III		257424	D	
118	GAM APS	16 25 42.782	-78 47 20.30		-0.0404	-0.069	3.880	1	4.790	1	5.410	1	K0IV		257407		
119	DEL- 1 APS	16 12 48.049	-78 34 25.65		-0.0017	-0.037	4.67	2	6.36	2	8.04	2	M4III		257380	D	
120	DEL- 2 APS	16 12 54.659	-78 32 44.26		+0.0004	-0.024	5.27	2	6.68	2	8.30	2	K5III?		257381	D	
121	EPS APS	14 16 13.098	-79 52 48.41		-0.0065	-0.012	5.06	2	4.96	2	4.40	2	B3V		257142		
122	ZET APS	17 16 45.293	-67 43 16.64		-0.0045	+0.002	4.78	2	5.99	2	7.26	2	GK1		253882		
123	ETA APS	14 11 48.968	-80 46 30.92		-0.0111	-0.059	4.91	2	5.16	2	5.27	2	A2P		258693		
124	THE APS	14 00 23.288	-76 33 24.73		-0.0249	-0.035	5.5						M4		257112	V	
125	IOT APS	17 16 30.473	-70 04 26.01		+0.0008	-0.015	5.41	2	5.37	2	5.14	2	B8		257491	DV?	
126	KAP- 1 APS	15 26 01.065	-73 13 07.26		+0.0008	-0.019	5.49	2	5.37	2	4.61	2	B3IV		257289	D	
127	KAP- 2 APS	15 34 45.861	-73 17 03.30		-0.0026	-0.028	5.65	2	5.61	2	5.23	2	B8IV		257307	D	
128	1 AQR	20 36 51.135	+00 18 33.97		+0.0065	-0.013	5.22						K1III		126062	D	
129	4 AQR	20 48 46.697	-05 48 52.80		+0.0064	+0.001	5.99	2	6.45	2	6.48	2	DF3		144877	DV?	
130	5 AQR	20 49 30.076	-05 41 44.64		-0.0001	+0.003	5.55	2	5.47	2	5.20	2	B8		144889	V?	
131	7 AQR	20 54 11.949	-09 53 25.41		-0.0004	-0.008	5.68						GK5		144968	DV?	
132	8 AQR	20 57 10.041	-13 14 49.89		-0.0023	+0.002	6.59	4					A3	4	164046		
133	9 AQR	20 58 23.090	-13 43 36.16		+0.0001	+0.008	6.63	4					G5	4	164064		
134	10 AQR	20 57 54.167	-05 40 24.20		+0.0011	-0.009	6.58	4					A0	4	145021		
135	11 AQR	20 57 55.883	-04 55 28.38		+0.0030	-0.134	6.26						G1V		145022		
136	12 A AQR	21 01 26.061	-06 01 19.78		+0.0010	-0.006	5.89						GG4		145065	D	
137	12 B AQR	21 01 25.954	-06 01 22.00		-0.0000	+0.015	7.31						A3		145064	D	
138	14 AQR	21 13 36.770	-09 25 26.51		-0.0007	+0.006	6.82	4					MA	4	145251		
139	15 AQR	21 15 33.726	-04 43 49.63		+0.0008	+0.020	5.82	2	5.69	2	5.18	2	B7		145278		
140	16 AQR	21 18 27.058	-04 46 24.00		-0.0010	+0.014	5.87	2	6.79	2	7.43	2	GG7		145317		
141	17 AQR	21 20 15.492	-09 32 00.61		-0.0020	-0.025	5.99	2	7.53	2	9.41	2	GMO		145351		
142	18 AQR	21 21 27.648	-13 05 37.46		+0.0060	+0.009	5.49	2	5.78	2			A9III		164364	V?	
143	19 AQR	21 22 31.909	-09 57 45.06		+0.0014	-0.169	5.70	2	5.90	2			A4		145382		
144	20 AQR	21 22 15.332	-03 36 49.45		-0.0006	-0.049	6.36	2	6.69	2	6.82	2	GA9		145376		
145	21 AQR	21 22 40.514	-03 46 20.04		-0.0011	-0.070	5.69						GK4		145384		
146	24 AQR	21 36 56.857	-00 16 41.20		+0.0154	-0.019	6.80	4					F8	4	145566	D	
147	26 AQR	21 39 37.132	+01 03 24.10		-0.0001	-0.003	5.67	2	7.11	2	8.78	2	GK4		126997		
148	27 AQR	= 11 PEG															
149	28 AQR	21 58 31.498	+00 21 50.85		+0.0005	-0.008	5.58	2	6.86	2	8.26	2	GK4		127235		
150	29 A AQR	21 59 42.543	-17 12 21.87		+0.0009	+0.004	7.15						A2		164830	D	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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151	30	AQR	22 00 38.685	-06 45 53.48	+0.0028	+0.009	5.54	2	6.50	2	7.23	2	G5		145836		
152	32	AQR	22 02 13.132	-01 08 56.52	-0.0012	-0.047	5.31	2	5.54	2	5.69	2	A M		145853		
153	35	AQR	22 06 14.607	-18 45 54.59	+0.0001	-0.009	5.74						B3		164888		
154	36	AQR	22 06 48.305	-08 25 56.25	+0.0041	+0.051	6.99	4					G5	4	145905		
155	37	AQR	22 07 51.820	-11 04 02.37	+0.0034	+0.029	7.03	4					K0	4	164907		
156	39	AQR	22 09 44.078	-14 26 26.99	+0.0017	-0.039	6.17						DF2		164923	V?	
157	40	AQR	22 10 46.068	-12 10 26.50	+0.0017	-0.018	7.06	4					G5	4	164935		
158	41	AQR	22 11 32.452	-21 19 25.50	+0.0011	+0.069	5.45						K0III		190986	D	
159	42	AQR	22 14 07.520	-13 04 53.41	+0.0008	+0.009	5.55						GK0		164974		
160	44	AQR	22 14 29.931	-05 38 15.02	+0.0002	+0.025	5.75	2	6.63	2	7.14	2	GG4		145993	V?	
161	45	AQR	22 16 19.839	-13 33 21.87	+0.0052	-0.009	6.09						GG7		164996		
162	47	AQR	22 18 50.606	-21 50 58.35	-0.0006	-0.082	5.13		6.200				K2III		191083		
163	49	AQR	22 20 43.881	-25 00 57.72	+0.0076	+0.003	5.61						GG9		191105		
164	50	AQR	22 21 46.442	-13 47 00.79	+0.0032	+0.013	5.92						GG6		165044		
165	51	AQR	22 21 30.638	-05 05 26.02	+0.0020	-0.000	5.78	2	5.74	2	5.63	2	A0		146067	D	
166	54	AQR	22 24 02.388	-11 28 58.89	+0.0026	-0.008	7.02	4					A3	4	165079		
167	56	AQR	22 27 36.684	-14 50 31.30	+0.0025	-0.036	6.37						A0		165127		
168	58	AQR	22 29 02.329	-11 09 44.89	+0.0049	-0.042	6.39						A7M		165147		
169	60	AQR	22 31 28.226	-01 49 56.01	+0.0022	-0.035	5.89	2	6.89	2	7.62	2	GG6		146160		
170	61	AQR	22 33 07.403	-17 43 08.50	-0.0022	-0.039	6.81	4					K5	4	165178		
171	64	AQR	22 36 38.232	-10 17 18.75	-0.0031	-0.004	7.16	4					G0	4	165217		
172	65	AQR	22 40 23.446	-10 21 54.38	-0.0004	+0.014	7.20	4					K0	4	165248		
173	67	AQR	22 40 37.611	-07 13 31.07	+0.0016	-0.012	6.41	2	6.37	2	6.26	2	B9		146273		
174	70	AQR	22 45 52.389	-10 49 12.64	+0.0022	+0.005	6.15						DF0		165308		
175	74	AQR	22 50 50.798	-11 52 58.34	+0.0015	+0.004	5.81	2	5.73	2	5.41	2	B9		165359		
176	75	AQR	22 51 28.949	-12 27 23.02	+0.0032	-0.045	7.18	4					K0	4	165366		
177	77	AQR	22 52 06.820	-16 32 15.15	-0.0156	-0.086	5.56	2	6.70	2	7.79	2	K2III		165376	V?	
178	78	AQR	22 51 57.934	-07 28 15.22	-0.0010	-0.034	6.19	2	7.47	2	8.88	2	GK3		146382		
179	81	AQR	22 58 47.739	-07 19 48.12	-0.0012	-0.007	6.21	2	7.62	2	9.39	2	GK5		146447		
180	82	AQR	22 59 56.808	-06 50 34.38	-0.0005	-0.033	6.15	2	7.73	2	9.63	2	GM2		146465		
181	84	AQR	23 02 42.418	-08 01 29.15	+0.0010	+0.002	7.0						K0		146500	D	
182	85	AQR	23 03 16.432	-08 12 24.77	+0.0008	+0.003	6.85	4					A0	4	146505		
183	87	AQR	23 04 35.742	-07 57 52.95	+0.0010	-0.050	7.35	4					A0	4	146515		
184	94	A	23 16 28.940	-13 43 52.31	+0.0202	-0.098	5.08	2	5.88	2			G5IV-V		165625	D	
185	94	B	23 16 28.764	-13 43 38.44	+0.0210	-0.088	7.6						K2V		165624	D	
186	96	AQR	23 16 48.401	-05 23 52.39	+0.0133	-0.016	5.55	2	5.94	2	5.94	2	F2		146639	D	
187	97	AQR	23 20 02.011	-15 18 50.34	+0.0075	+0.022	5.20	2	5.40	2			A3		165658	D	
188	100	AQR	23 29 04.853	-21 38 44.06	-0.0003	+0.007	6.24						A7N		191970		
189	103	A- 1	23 38 58.973	-18 18 12.73	-0.0029	-0.067	5.60						GK5		165834		
190	104	A- 2	23 39 10.135	-18 05 38.16	+0.0009	+0.008	4.84	2	5.65	2	6.14	2	G0IB		165836	V?	
191	98	-B- 1	23 20 20.779	-20 22 25.51	-0.0087	-0.090	3.980	1	5.080	1	6.030	1	K0III		191858		
192	99	-B- 2	23 23 25.298	-20 54 58.53	-0.0038	-0.054	4.400	1	5.870	1	7.670	1	K5III		191900		
193	101	-B- 3	23 30 39.734	-21 11 27.66	-0.0006	+0.017	4.720	1	4.740	1	4.750	1	A1		191988	D	
194	86	-C- 1	23 03 59.885	-24 00 49.12	+0.0048	+0.001	4.480	1	5.380	1	5.970	1	GG9		191651	D	
195	88	-C- 2	23 06 46.980	-21 26 38.94	+0.0038	+0.036	3.640	1	4.870	1	6.090	1	K0III		191683		
196	89	-C- 3	23 07 14.783	-22 43 43.97	+0.0018	-0.005	4.680	1	5.320	1	5.700	1	SGG2+A2		191687	D	
197	25	-D	21 37 01.044	+02 01 04.24	-0.0019	-0.081	5.16						K0III		126965		
198	38	-E	22 07 57.179	-11 48 41.98	+0.0020	+0.012	5.46		5.340				B6III?		164910		
199	53	-F- 1	22 23 51.382	-16 59 46.26	+0.0181	-0.010	6.57						DG1		165077	D	
200	53	-F- 2	22 23 51.659	-16 59 50.22	+0.0154	+0.000	6.35						DG2		165078	D	

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201	66 -G- 1 AQR	22 40 53.937	-19 05 33.20		-0.0020	-0.024	4.69	2	6.05	2	7.61	2	K4III		165252	V?	
202	68 -G- 2 AQR	22 44 52.131	-19 52 28.69		-0.0072	-0.198	5.26		6.200				G7III		165293		
203	83 -H- 1 AQR	23 02 33.367	-07 57 50.40		+0.0085	+0.015	5.43	2	5.73	2	5.80	2	F2V		146498	D	
204	-H- 2 AQR	23 50 16.149	-09 16 28.44		+0.0041	-0.017	5.75	2	6.92	2	8.07	2	GK0		146953		
205	106 -I- 1 AQR	23 41 36.555	-18 33 16.30		+0.0019	+0.002	5.24		5.150				B8V		165854		
206	107 -I- 2A AQR	23 43 25.172	-18 57 22.27		+0.0093	+0.034	5.29	2	5.57	2			A5		165867	D	
207	-I- 2B AQR	23 43 25.519	-18 57 26.72		+0.0114	+0.048	7.0	4					A5	4	165868	D	
208	108 -I- 3 AQR	23 48 46.443	-19 11 13.92		+0.0013	+0.004	5.17	2	5.04	2			B9P	7	165918	V	
209	3 -K AQR	20 45 05.974	-05 12 43.27		-0.0001	-0.037	4.44	2	6.11	2	8.04	2	M3III		144814	V	
210	R AQR	23 41 14.186	-15 33 41.79		+0.0020	-0.021	5.8						GM7EP		165849	V	
211	S AQR	22 54 25.871	-20 36 38.97		+0.0014	-0.040	8.0	4					M4E	4	191516	V	
212	T AQR	20 47 18.050	-05 20 01.14		-0.0011	-0.011	6.8	4					M3E	4	144854	V	
213	V AQR	20 44 17.727	+02 15 11.94		+0.0009	+0.001	7.8	4					M6E	4	126200	V	
214	Z AQR	23 49 40.068	-16 07 57.32		+0.0003	+0.003	9.2	6					M2E	6	165928	V	
215	AB AQR	22 35 54.870	-14 17 52.56		+0.0006	+0.004	9.1	6							165212	V	
216	BL AQR	21 11 37.066	-02 11 10.15		-0.0006	+0.008	9.7	6					K2	6	145222	V	
217	BS AQR	23 46 11.566	-08 25 24.54		+0.0008	+0.002	9.2	6	8.810	7			F2	6	146923	V	
218	OV AQR	20 55 55.847	-14 40 38.00		-0.0031	-0.000	6.01	2	6.24	2			A3		164027	V	
219	29 DX B AQR	21 59 42.278	-17 12 24.16		+0.0010	+0.002	7.4	4							164829	DV	
220	DZ AQR	22 19 04.311	-07 51 38.35		-0.0003	-0.013	7.9	6					MB	6	146043	V	
221	EE AQR	22 31 59.213	-20 07 05.53		+0.0035	+0.031	8.0	6					F0	6	191236	V	
222	EM AQR	20 52 33.114	-01 33 53.97		-0.0003	+0.023	6.55	2	6.84	2	6.89	2	F0	6	144941	V	
223	EN = 3 -K AQR																
224	EP AQR	21 43 56.463	-02 26 40.90		+0.0015	+0.025	7.16	4	8.65	7			M8III	7	145652	V	
225	EQ AQR	23 01 38.654	-16 16 45.22		+0.0013	-0.005	9.0	6					M2	6	165473	V	
226	ER AQR	23 02 44.865	-22 45 25.15		+0.0032	-0.005	7.72	5	8.74	7			M3	6	191638	V	
227	ES AQR	23 35 43.940	-23 49 56.68		+0.0021	-0.006	9.4	6	10.85	7			M3	6	192052	V	
228	ET = 108 -I-3 AQR																
229	RT AQR	22 20 27.643	-22 18 35.64		+0.0023	-0.022	9.2	6					M5	6	191102	V	
230	RU AQR	23 21 47.163	-17 35 38.10		+0.0014	+0.015	8.8	6					M4	6	165676	V	
231	RX AQR	21 10 00.961	-14 35 54.87		+0.0028	-0.007	8.8	6					M5	6	164218	V	
232	RY AQR	21 17 33.708	-11 00 54.45		+0.0036	+0.041	8.8	6					A3	6	164320	V	
233	ST AQR	22 18 24.567	-07 12 59.69		+0.0037	+0.022	9.0	6					F0	6	146035	V	
234	SZ AQR	22 40 07.684	-21 26 27.81		+0.0004	+0.007	8.8	6					K5	6	191345	V	
235	TT AQR	22 52 18.396	-09 38 29.00		-0.0002	-0.011	8.9	6					MB	6	146384	V	
236	XY AQR	23 18 44.752	-17 47 25.68		+0.0017	-0.012	8.8	6					G0	6	165644	V	
237	34 ALP AQR	22 03 12.946	-00 33 48.59		+0.0011	-0.004	2.930	1	3.900	1	4.670	1	G2IB		145862		
238	22 BET AQR	21 28 55.650	-05 47 31.68		+0.0013	-0.005	2.870	1	3.710	1	4.280	1	G0IB		145457	D	
239	48 GAM AQR	22 19 04.420	-01 38 23.77		+0.0086	+0.012	3.840	1	3.780	1	3.650	1	B9III		146044	DV?	
240	76 DEL AQR	22 51 59.902	-16 05 13.92		-0.0029	-0.022	3.280	1	3.330	1	3.410	1	A3V		165375		
241	2 EPS AQR	20 44 58.218	-09 40 48.21		+0.0022	-0.032	3.770	1	3.770	1	3.790	1	A1V		144810		
242	55 ZET- 1 AQR	22 26 15.261	-00 16 35.27		+0.0119	+0.014	4.501	1	4.881	1	4.871	1	F2IV		146107	D	3
243	55 ZET- 2 AQR	22 26 15.514	-00 16 36.08		+0.0138	+0.047	4.331	1	4.711	1	4.701	1	F2IV		146108	D	4
244	62 ETA AQR	22 32 47.203	-00 22 32.77		+0.0059	-0.051	4.000	1	3.900	1	3.620	1	B8V		146181		
245	43 THE AQR	22 14 11.766	-08 01 58.75		+0.0079	-0.019	4.15	2	5.14	2	5.94	2	G8III-IV		145991		
246	33 IOT AQR	22 03 44.306	-14 06 46.98		+0.0027	-0.053	4.25	2	4.18	2	3.91	2	B8V		164861		
247	63 KAP AQR	22 35 10.024	-04 29 11.39		-0.0047	-0.114	5.03	2	6.17	2	7.33	2	K2III		146210		
248	73 LAM AQR	22 50 00.375	-07 50 46.15		+0.0005	+0.039	3.790	1	5.440	1	7.200	1	M2III		146362	V?	
249	6 MU AQR	20 49 57.475	-09 10 19.76		+0.0028	-0.028	4.73	2	5.05	2	5.15	2	A M		144895		
250	13 NU AQR	21 06 52.308	-11 34 31.13		+0.0062	-0.014	4.52	2	5.46	2	6.13	2	G8III		164182		

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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251	23 XI	AQR	21 35 05.459	-08 04 45.93	+0.0076	-0.023	4.69	2	4.88	2	5.01	2	A7V		145537		
252	31 OMI	AQR	22 00 43.658	-02 23 51.13	+0.0011	-0.010	4.69	2	4.64	2	4.22	2	B8VE		145837	V?	
253	52 PI	AQR	22 22 43.382	+01 07 22.87	+0.0012	+0.005	4.64	2	4.60	2	3.64	2	B1VPE		127520		
254	46 RHO	AQR	22 17 34.106	-08 04 22.44	+0.0009	+0.002	5.37	2	5.31	2	4.94	2	B8V		146023		
255	57 SIG	AQR	22 28 00.124	-10 56 04.11	+0.0000	-0.027	4.81	2	4.73	2	4.59	2	A0IV		165134		
256	69 TAU- 1	AQR	22 45 03.557	-14 19 13.84	+0.0020	-0.006	5.70		5.650				B9		165298	D	
257	71 TAU- 2	AQR	22 46 56.751	-13 51 25.17	-0.0010	-0.033	3.980	1	5.570	1	7.510	1	M0III		165321	V?	
258	59 UPS	AQR	22 31 57.688	-20 57 53.86	+0.0158	-0.142	5.21	2	5.65	2			F3V		191235		
259	90 PHI	AQR	23 11 43.976	-06 19 07.92	+0.0025	-0.192	4.22	2	5.77	2	7.64	2	M2III		146585		
260	92 CHI	AQR	23 14 15.451	-07 59 58.34	-0.0013	-0.011	5.06	2	6.66	2	8.26	2	GM5		146612	V	
261	91 PSI- 1	AQR	23 13 16.342	-09 21 37.71	+0.0249	-0.012	4.25	2	5.36	2	6.37	2	K0III		146598	D	
262	93 PSI- 2	AQR	23 15 18.318	-09 27 20.71	+0.0012	-0.008	4.40	2	4.26	2	3.72	2	B5V		146620		
263	95 PSI- 3	AQR	23 16 21.648	-09 53 03.68	+0.0030	+0.003	4.98	2	4.96	2			A0V		146635	OV?	
264	102 OME- 1	AQR	23 37 11.538	-14 29 54.40	+0.0037	-0.034	5.00		5.240				A5		165818		
265	105 OME- 2	AQR	23 40 07.808	-14 49 17.44	+0.0066	-0.063	4.51	2	4.47	2	4.34	2	B9.5V		165842	D	
266	1	AQL	= ALP SCT														
267	2	AQL	= DEL SCT														
268	3	AQL	= EPS SCT														
269	4	AQL	18 42 18.447	+02 00 27.21	+0.0004	-0.017	4.99		4.920				B9V		123879	V?	
270	5	AQL	18 43 53.586	-01 00 57.14	+0.0007	-0.021	5.64	2	5.78	2	5.86	2	A M+AM		142606	D	
271	6	AQL	= BET SCT										A2	4	142696		
272	7	AQL	18 48 28.036	-03 19 13.17	-0.0033	-0.053	6.89	4					A3		142706		
273	8	AQL	18 48 44.546	-03 22 40.70	-0.0002	-0.025	6.04										
274	9	AQL	= ETA SCT														
275	10	AQL	18 56 29.112	+13 50 16.88	-0.0003	-0.051	5.90		6.140				A4P	7	104303	V	
276	11	AQL	18 56 47.531	+13 33 15.97	+0.0008	-0.122	5.22	2	5.75	2	5.82	2	F8IV		104308	OV?	
277	19	AQL	19 06 32.906	+05 59 35.32	-0.0008	-0.075	5.29						DF2		124318		
278	20	AQL	19 09 57.956	-08 01 28.93	+0.0009	-0.007	5.37						B3IV		143134	V?	
279	21	AQL	19 11 11.383	+02 12 25.96	+0.0005	+0.003	5.16	2	5.09	2	4.67	2	B8II-IIIP	7	124408	DV	
280	22	AQL	19 14 02.486	+04 44 42.26	+0.0008	-0.015	5.38						A2		124455		
281	23	AQL	19 15 59.792	+00 59 34.10	+0.0005	+0.020	5.15						K2II-III		124487	DV?	
282	24	AQL	19 16 17.404	+00 14 47.21	+0.0006	+0.013	6.34						GG9		124492		
283	42	AQL	19 35 08.149	-04 45 38.28	+0.0069	-0.050	5.52						DF1		143621		
284	45	AQL	19 38 08.772	-00 44 18.60	+0.0010	+0.017	5.52						A2		143678	D	
285	46	AQL	19 39 52.007	+12 04 28.62	-0.0003	-0.002	6.24		6.230				B8III		105156		
286	51	AQL	19 48 01.762	-10 53 30.81	-0.0021	+0.034	5.55						F0IV		163036	D	
287	56	AQL	19 51 25.493	-08 42 19.98	+0.0001	-0.018	6.02						GK5		143894		
288	57	A	19 51 55.256	-08 21 32.32	+0.0004	-0.024	5.70	2	5.62	2	5.13	2	B5N		143898	D	
289	57	B	19 51 55.686	-08 22 07.69	+0.0012	-0.026	6.48	2	6.44	2	6.17	2	B8N		143899	D	
290	58	AQL	19 52 11.093	+00 08 29.86	+0.0026	-0.010	5.53						A0		125219		
291	62	AQL	20 01 48.614	-00 51 00.41	+0.0000	-0.116	5.68	2	6.98	2	8.33	2	GK4		144045		
292	64	AQL	20 05 26.899	-00 49 24.60	+0.0075	-0.068	5.99	2	7.01	2	7.91	2	GK1		144095		
293	66	AQL	20 10 38.946	-01 09 37.85	+0.0013	-0.026	5.64						GK5		144181		
294	68	AQL	20 25 47.782	-03 31 27.17	+0.0013	-0.013	6.03		5.960				B9		144468	D	
295	69	AQL	20 27 02.213	-03 03 11.13	+0.0046	-0.017	5.11						K2III		144495		
296	70	AQL	20 34 07.407	-02 43 27.16	+0.0003	-0.001	5.22						K4III		144624		
297	71	AQL	20 35 45.349	-01 16 51.96	+0.0008	-0.019	4.33	2	5.29	2	5.98	2	G8III		144649	OV?	
298	28	A	19 17 19.291	+12 16 51.58	+0.0004	+0.022	5.34						F2III	7	104722	V	
299	31	-B	19 22 35.096	+11 50 09.47	+0.0492	+0.640	5.16	2	5.94	2	6.36	2	G8IV		104807	V?	
300	35	-C	19 26 29.255	+01 50 48.66	-0.0004	-0.031	5.80	2	5.88	2	5.95	2	A0		124675		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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301	27 -D AQL	19 18 00.843	-00 59 11.83		+0.0002	+0.007	5.49	2	5.45	2	5.22	2	B9		143292		
302	36 -E AQL	19 28 02.906	-02 53 40.34		+0.0012	-0.006	5.22						M1III		143482	V?	
303	26 -F AQL	19 17 52.720	-05 30 38.65		+0.0075	+0.048	5.10						G8III-IV		143286		
304	14 -G AQL	19 00 16.464	-03 46 22.86		+0.0013	+0.007	5.42	2	5.42	2	5.35	2	A0		142959		
305	15 -H AQL	19 02 19.217	-04 06 26.70		+0.0011	-0.027	5.53						GK1		142996	n	
306	12 -I AQL	18 59 00.591	-05 48 39.65		-0.0015	-0.033	4.020	1	5.110	1	6.150	1	K1III		142931	V?	
307	37 -K AQL	19 32 21.954	-10 40 16.41		+0.0005	-0.003	5.24						G8III		162792		
308		19 03 57.671	+08 09 10.25		+0.0002	-0.069	5.5						GM7E		124266	V	
309		20 09 19.377	+15 28 13.07		+0.0013	-0.020	8.4	4							105807	V	
310		18 43 20.040	+08 41 22.56		+0.0002	+0.019	9.0	6					M2	6	123894	V	
311		19 26 39.930	-07 08 53.40		+0.0014	+0.003	6.20		7.300				G4		143454	DV	
312		19 01 43.953	-05 45 38.19		+0.0011	-0.005	6.7	4					C6-4		142985	V	
313		19 12 41.684	-07 08 08.41		+0.0020	+0.008	7.7		5.070				SE	4	143184	V	
314	16 Y AQL	19 04 37.312	+10 59 34.30		-0.0002	-0.028	5.16						B7V		104488	V	
315		20 12 31.087	-06 18 16.84		-0.0041	-0.013	9.8	6					K	6	144210	V	
316		18 56 01.162	+17 17 32.43		-0.0003	-0.007	5.40		6.060	7			F5		104296	DV	
317		19 06 54.029	+10 28 16.25		-0.0013	+0.004	8.6	6	9.700	7			K0	6	104533	V	
318		19 10 17.431	+03 28 18.97		-0.0001	-0.013	8.6	6	9.650	7			G5	6	124392	V	
319		18 39 43.997	+00 06 20.18		-0.0008	-0.016	8.5	6					K5	6	123824	V	
320		20 27 43.062	+01 42 29.28		+0.0004	+0.006	8.9	6					MB	6	125873	V	
321		18 44 49.343	+10 42 30.19		-0.0001	-0.016	8.5	6					A0	6	104094	V	
322		19 00 14.324	+15 43 35.93		-0.0002	+0.006	9.1	6					A3	6	104391	V	
323		19 45 48.347	+09 11 01.52		+0.0044	-0.003	9.0	6					G5	6	125084	V	
324		19 38 46.573	+13 41 53.57		-0.0003	-0.014	6.1						B3		105132	DV	
325		20 09 33.665	+15 54 33.73		-0.0000	+0.007	9.1	6							105818	V	
326		19 02 07.051	+01 13 48.66		+0.0001	+0.003	8.7	6	9.740	7			K2	6	124227	V	
327		19 05 41.394	+01 13 06.96		+0.0003	+0.009	7.7	4	8.660	7			G5	4	124305	V	
328		20 27 40.204	-04 55 22.71		-0.0004	-0.021	9.0	6					MC	6	144506	V	
329		20 19 32.486	-07 30 41.15		-0.0001	-0.017	9.4	6					A2	6	144345	V	
330		19 01 34.064	-02 06 18.12		-0.0015	-0.006	8.5	6					B3	6	142979	V	
331	V 337 AQL	19 14 39.912	+09 15 13.32		-0.0004	+0.015	9.1	6					F0	6	124466	DV	
332	V 346 AQL	20 07 35.970	+10 12 05.98		+0.0004	-0.002	8.6	6					A0	6	105774	V	
333	V 417 AQL	19 32 56.560	+05 43 38.50		-0.0006	-0.007	10.0	6					G0	6	124824	V	
334	V 450 AQL	19 31 18.040	+05 21 23.91		-0.0011	-0.025	6.73	4					MB	4	124789	V	
335	V 496 AQL	19 05 38.589	-07 31 04.34		+0.0008	-0.002	7.9	6	8.960	7			G5	6	143063	V	
336	V 584 AQL	20 07 54.353	-01 46 35.73		-0.0011	-0.010	9.2	6					MB	6	144135	V	
337	V 599 AQL	18 59 48.032	-10 47 41.41		-0.0009	+0.006	6.68	4					B5	4	162122	V	
338	V 805 AQL	19 03 31.107	-11 43 35.61		+0.0044	-0.025	8.2	4					A2	4	162189	V	
339	V 822 AQL	19 28 39.650	-02 12 59.83		-0.0005	+0.002	6.73	4					B8	4	143494	DV	
340	V 840 AQL	18 54 52.239	+06 37 53.83		-0.0024	-0.025	9.0	6					A2	6	124093	V	
341	V 842 AQL	19 11 23.486	+02 32 18.96		+0.0002	+0.012	8.9	6					MA	6	124413	V	
342	V 843 AQL	19 02 44.886	-06 52 28.73		-0.0007	-0.007	9.3	6					B9	6	143004	V	
343	V 889 AQL	19 16 34.383	+16 09 27.96		-0.0002	-0.004	8.2	6					A	6	104708	V	
344	V 913 AQL	18 52 07.359	+10 34 07.35		+0.0004	-0.007	8.2	6					MB	6	104242	V	
345	V 915 AQL	19 00 50.035	+12 10 41.10		-0.0008	-0.019	8.5	6					MB	6	104407	V	
346	V 923 AQL	19 28 02.933	+03 20 19.11		+0.0005	+0.007	6.32						A0P		124704	V	
347	V1162 AQL	19 49 35.212	-11 29 46.22		+0.0013	+0.021	8.2	6					G5	6	163067	V	
348	V1182 AQL	18 53 00.019	+09 16 53.47		+0.0008	+0.000	8.7	6					09+B3	7	124049	V	
349	V1208 AQL	= 28 A AQL															
350	V1286 AQL	= 10 AQL															

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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351	V1288	AQL = 21 AQL											A5P	7	143883	V	
352	V1291	AQL 19 50 41.602	-03 14 43.33		+0.0014	+0.017	5.64		5.84				M5III	7	124777	V	
353	V1293	AQL 19 30 39.373	+04 55 14.55		+0.0006	-0.001	6.82						B1IVEV	7	124788	V	
354	V1294	AQL 19 31 07.185	+03 39 07.84		+0.0013	+0.001	6.78	4	6.80	7			A0EP	7	125381	V	
355	V1295	AQL 20 00 34.435	+05 35 49.65		-0.0001	+0.003	8.6	6					A7V		125122	D	
356	53 ALP	AQL 19 48 20.590	+08 44 05.71		+0.0362	+0.387	.760	1	0.980	1	1.070	1	G8IV		125235	DV?	
357	60 BET	AQL 19 52 51.383	+06 16 49.84		+0.0029	-0.479	3.720	1	4.580	1	5.070	1	K3II		105223		
358	50 GAM	AQL 19 43 52.907	+10 29 24.38		+0.0011	+0.002	2.720	1	4.240	1	5.920	1	F0IV		124603	V?	
359	30 DEL	AQL 19 22 58.597	+03 00 48.98		+0.0169	+0.083	3.360	1	3.680	1	3.720	1	K2III		104318		
360	13 EPS	AQL 18 57 21.119	+14 59 56.41		-0.0036	-0.073	4.020	1	5.100	1	6.140	1	A0V?NN		104461	D	
361	17 ZET	AQL 19 03 06.648	+13 47 15.86		-0.0005	-0.095	2.990	1	3.000	1	2.990	1	F6IB		125159	V	
362	55 ETA	AQL 19 49 55.525	+00 52 33.23		+0.0005	-0.006	3.600	1	4.270	1	4.800	1	B9.5III		144150		
363	65 THE	AQL 20 08 43.494	-00 58 16.06		+0.0024	-0.007	3.220	1	3.150	1	3.030	1	B5III		143597	DV?	
364	41 IOT	AQL 19 34 08.067	-01 23 55.88		+0.0001	-0.016	4.36	2	4.27	2	3.83	2	B0.5III		143600	V?	
365	39 KAP	AQL 19 34 12.072	-07 08 24.73		+0.0000	-0.004	4.96	2	4.96	2	4.09	2	B9?V?N		143021		
366	16 LAM	AQL 19 03 35.688	-04 57 32.74		-0.0014	-0.088	3.430	1	3.340	1	3.070	1	K3III		124799	DV?	
367	38 MU	AQL 19 31 38.752	+07 16 16.89		+0.0144	-0.157	4.45	2	5.63	2	6.87	2	F2IB		124628		
368	32 NU	AQL 19 23 57.612	+00 14 14.84		-0.0002	+0.003	4.67	2	5.27	2	5.78	2	K0III		125210		
369	59 XI	AQL 19 51 49.434	+08 19 50.59		+0.0066	-0.079	4.68	2	5.73	2	6.62	2	F8V		105338	D	
370	54 OMI	AQL 19 48 37.857	+10 17 21.17		+0.0162	-0.138	5.10						DF2+A2		105282	DV?	
371	52 PI	AQL 19 46 20.639	+11 41 24.51		+0.0011	-0.002	5.61						A2V		105878		
372	67 RHO	AQL 20 11 57.746	+15 02 38.36		+0.0040	+0.057	4.95	2	5.04	2	5.05	2	B3V		124903	DV	
373	44 SIG	AQL 19 36 43.517	+05 16 56.88		-0.0001	+0.001	5.0		5.040	7			GK0		125403		
374	63 TAU	AQL 20 01 41.745	+07 08 07.87		+0.0009	+0.013	5.52	2	6.58	2	7.44	2	A2		125032		
375	49 UPS	AQL 19 43 13.917	+07 29 26.45		+0.0034	+0.004	5.91	2	6.09	2	6.18	2	A1V		105438		
376	61 PHI	AQL 19 53 52.111	+11 17 22.88		+0.0021	+0.009	5.23		5.210				DF3+A3		105168	DV?	
377	47 CHI	AQL 19 40 12.766	+11 42 27.07		-0.0002	-0.005	5.22						B8IV		105199		
378	48 PSI	AQL 19 42 14.523	+13 10 53.69		-0.0006	-0.004	6.12		6.080				A3		104691		
379	25 OME- 1	AQL 19 15 28.107	+11 30 13.93		+0.0000	+0.016	5.06						A3V		104728		
380	29 OME- 2	AQL 19 17 31.899	+11 26 27.55		+0.0027	+0.027	5.99		6.060				B9	4	244037	V	
381	R	ARA 16 35 34.799	-56 53 45.99		-0.0010	-0.005	6.8	4					A0	5	244859	V	
382	RW	ARA 17 30 32.762	-57 06 50.86		+0.0011	+0.013	7.6	5					A0	6	228414	V	
383	UW	ARA 17 43 44.761	-48 43 47.02		+0.0001	-0.023	9.6	6					A3	6	253639	V	
384	V 349	ARA 16 34 56.592	-60 51 46.86		+0.0012	-0.015	8.7	6					A3	6	244895	V	
385	V 535	ARA 17 33 50.722	-56 47 28.93		-0.0070	-0.033	7.5	6					B8	6	245031	V	
386	V 537	ARA 17 43 52.036	-54 41 10.73		-0.0019	-0.005	8.5	6									
387	V 539	ARA = UPS-1 ARA											F0	6	244209	V	
388	V 610	ARA 16 47 58.531	-57 10 41.03		-0.0021	+0.041	9.1	6					B5	6	227631	V	
389	V 616	ARA 17 03 19.261	-46 56 13.24		+0.0006	-0.003	8.0	6					A0	6	245020	V	
390	V 620	ARA 17 43 00.106	-56 04 52.86		-0.0006	-0.034	9.9	6					GM3		244954	V	
391	V 626	ARA 17 38 09.234	-50 29 10.49		+0.0028	-0.011	6.23		7.93	7	9.89	7	B2.5V		228069	D	
392	ALP	ARA 17 27 58.353	-49 50 19.60		-0.0025	-0.071	2.950	1	2.780	1	2.090	1	K3IB		244725		
393	BET	ARA 17 21 08.264	-55 29 06.10		-0.0001	-0.024	2.840	1	4.300	1	5.840	1	B1III		244726	D	
394	GAM	ARA 17 21 10.732	-56 19 58.85		+0.0003	-0.011	3.330	1	3.190	1	2.220	1	B8V		253945	D	
395	DEL	ARA 17 26 34.733	-60 38 40.90		-0.0065	-0.094	3.610	1	3.510	1	3.190	1	K3III		244331		
396	EPS- 1	ARA 16 55 35.463	-53 05 09.07		+0.0008	+0.015	4.06	2	5.51	2	7.22	2	DF7		244388	D	
397	EPS- 2	ARA 16 59 08.596	-53 09 51.06		-0.0001	-0.143	5.36						K5III		244315		
398	ZET	ARA 16 54 28.422	-55 54 48.63		-0.0016	-0.035	3.130	1	4.740	1	6.680	1	K5III		244168	D	
399	ETA	ARA 16 45 27.405	-58 57 16.37		+0.0053	-0.031	3.760	1	5.330	1	7.250	1	B0.5II		245242		
400	THE	ARA 18 02 44.229	-50 05 49.53		-0.0011	-0.017	3.665	1	3.580	1	2.715	1					

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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401	IOT ARA	17 19 30.584	-47 25 16.27		-0.0008	-0.015	5.25	2	5.14	2	4.33	2	B3NE		2278A6	D	
402	KAP ARA	17 22 05.765	-50 35 24.35		+0.0010	+0.002	5.23	2	6.29	2			K1III		244734		
403	LAM ARA	17 36 31.762	-49 23 12.97		+0.0081	-0.175	4.77	2	5.17	2	5.13	2	DF4		228257		
404	MU ARA	17 40 10.270	-51 48 35.06		-0.0014	-0.193	5.15	2	5.85	2			G5V		2449A1		
405	PI ARA	17 33 58.967	-54 28 09.24		-0.0041	-0.148	5.25	2	5.45	2			A7V		244896		
406	SIG ARA	17 31 55.972	-46 28 24.10		-0.0027	-0.034	4.59	2	4.57	2	4.47	2	A0		228162		
407	UPS- 1 ARA	17 46 23.999	-53 35 53.16		-0.0011	-0.004	5.90						B3V		245065	DV	
408	UPS- 2 ARA	17 47 08.153	-53 07 01.90		+0.0011	-0.011	6.40						A0		245072		
409	1 ARI	01 47 22.425	+22 01 40.32		-0.0012	-0.004	5.86	2	6.60	2	7.10	2	K0III		74966	D	
410	3 ARI																
411	4 ARI	01 45 27.899	+16 42 26.49		+0.0036	-0.031	5.75		5.720				B9.5V		92637		
412	10 ARI	02 00 48.666	+25 41 44.23		+0.0099	+0.027	5.54						DF4		75114	D	
413	11 ARI	02 03 58.785	+25 28 01.65		+0.0013	-0.006	5.99		5.970				B8V		75149	D	
414	14 ARI	02 06 34.182	+25 42 15.50		+0.0056	-0.034	5.01						F2III		75171		
415	15 ARI	02 07 50.964	+19 15 55.60		+0.0062	-0.024	5.76						GM3		92822		
416	16 ARI	02 08 20.977	+25 42 07.42		-0.0005	-0.005	6.03						GK4		75188		
417	19 ARI	02 10 19.370	+15 02 47.28		+0.0066	-0.019	5.70	2	7.25	2	9.20	2	M0III		92841	V?	
418	20 ARI	02 12 53.877	+25 33 07.22		+0.0130	-0.058	5.79	2	6.23	2	6.27	2	DF3		75239		
419	21 ARI	02 12 52.174	+24 48 44.52		-0.0065	-0.082	5.57						DF4		75238		
420	23 ARI	02 16 21.609	+19 27 35.85		-0.0014	-0.114	6.84	4					F8	4	92884		
421	25 ARI	02 24 43.583	+09 58 38.74		-0.0195	-0.200	6.54	4					G0	4	110537		5
422	27 ARI	02 28 07.666	+17 29 01.64		+0.0021	-0.081	6.23	2	7.13	2	7.68	2	K0III		92983		
423	29 ARI	02 30 09.550	+14 48 51.67		-0.0014	+0.045	6.01						DF7		92998		
424	30 A ARI	02 34 07.115	+24 25 51.35		+0.0100	-0.002	6.57						DF5		75471	D	
425	30 B ARI	02 34 04.321	+24 25 54.18		+0.0105	+0.005	7.37						DF6		75470	D	
426	31 ARI	02 33 54.028	+12 13 55.04		+0.0189	-0.081	5.64						DF5		93022		
427	33 ARI	02 37 45.345	+26 50 50.75		+0.0050	-0.027	5.29		5.380				A3V		75510	D	
428	35 ARI	02 40 30.651	+27 29 44.29		+0.0006	-0.007	4.67	2	4.54	2	3.91	2	B3V		75532		
429	36 ARI	02 41 31.363	+17 33 12.67		+0.0027	-0.031	6.34						GK2		93081		
430	39 ARI	02 44 55.468	+29 02 26.66		+0.0114	-0.119	4.52	2	5.63	2	6.66	2	K1III		75578		
431	40 ARI	02 45 43.579	+18 04 35.88		+0.0031	-0.033	5.87						GK1		93118	V?	
432	44 ARI	02 52 06.726	+17 31 57.71		+0.0025	-0.019	6.93	4					A3	4	93178		
433	47 ARI	02 55 13.168	+20 28 10.11		+0.0166	-0.027	5.80	2	6.21	2	6.22	2	DF5		75662		
434	49 ARI	02 58 56.987	+26 15 56.98		-0.0011	+0.008	5.86		6.000				A M		75693		
435	51 ARI	02 59 27.740	+26 24 56.33		+0.0176	-0.161	6.72	4					G0	4	75696		
436	52 ARI	03 02 30.350	+25 03 43.21		+0.0002	-0.004	5.36		5.340				B7V		75723	D	
437	54 ARI	03 05 30.787	+18 36 16.03		+0.0033	-0.013	6.34						GM0		93293		
438	55 ARI	03 06 35.839	+28 53 15.10		+0.0015	-0.010	5.62		5.750				B7V		75757		
439	59 ARI	03 16 56.244	+26 53 30.43		-0.0019	-0.072	5.86						SGG5		75863		
440	62 ARI	03 19 11.403	+27 25 45.84		+0.0007	-0.011	5.54						GG5		75892		
441	63 ARI	03 19 52.271	+20 33 52.25		-0.0031	-0.020	5.14						K3III		75899		
442	64 ARI	03 21 20.955	+24 32 54.53		+0.0009	-0.043	5.58						GK4		75912		
443	65 ARI	03 21 32.793	+20 37 38.96		-0.0001	-0.004	6.03		5.980				A0V		75915		
444	66 ARI	03 25 30.857	+22 37 59.76		+0.0000	-0.101	6.00						SGG6		75945	D	
445	41 -C- 1 ARI	02 47 02.036	+27 03 20.55		+0.0050	-0.112	3.630	1	3.530	1	3.150	1	B8V		75596	DV?	
446	60 -C- 2 ARI	03 17 27.372	+25 29 02.65		+0.0013	-0.084	6.30						GK3		75875		
447	R ARI	02 13 16.060	+24 49 30.55		+0.0023	-0.011	7.3	4					M3E	4	75245	V	
448	T ARI	02 45 32.038	+17 18 07.17		-0.0026	-0.002	7.4	4					M6	4	93115	V	
449	V ARI	02 12 18.184	+12 00 24.53		+0.0028	+0.043	8.3	5					N8	5	92853	V	
450	X ARI	03 05 48.042	+10 15 23.80		+0.0054	-0.070	9.0	6	9.280	7			A2	6	93297	V	

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OF POOR QUALITY

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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451	Y	ARI	02 38 00.678	+30 59 10.46	-0.0000	-0.002	8.9	6					MC	6	55784	V	
452	7 RR	ARI	01 53 03.346	+23 19 59.23	+0.0007	-0.003	5.7						GG8		75010	V	
453	45 RZ	ARI	02 52 59.598	+18 07 48.95	-0.0006	-0.014	5.94						GM6		93189	V	
454	56 SX	ARI	03 09 15.105	+27 04 11.60	+0.0008	-0.013	5.67		5.580				A P		75788	V	
455	26 UU	ARI	02 27 49.855	+19 38 03.63	+0.0058	-0.033	6.08		6.33	7			A4N		92979	V	
456	38 UV	ARI	02 42 13.841	+12 14 11.49	+0.0082	-0.080	5.08		5.30	7			A7IV		93083	V	
457	53 UW	ARI	03 04 36.452	+17 41 17.98	-0.0018	+0.010	6.06						B2V		93284	V	
458	UX	ARI	03 23 32.953	+28 32 32.35	+0.0016	-0.106	6.51	4	7.42	7	7.90	7	G5V+K0IV:	7	75927	V	
459	13 ALP	ARI	02 04 20.917	+23 13 37.07	+0.0138	-0.144	2.000	1	3.150	1	4.280	1	K2III		75151	V?	
460	6 BET	ARI	01 51 52.340	+20 33 52.09	+0.0069	-0.108	2.650	1	2.780	1	2.880	1	A5V		75012	V?	
461	5 GAM- 1	ARI	01 50 46.855	+19 03 06.11	+0.0055	-0.108	4.674	1	4.634	1	4.504	1	A SI		92680	D	6
462	5 GAM- 2	ARI	01 50 46.872	+19 02 57.87	+0.0056	-0.100	4.593	1	4.553	1	4.423	1	B9V		92681	DV	7
463	57 DEL	ARI	03 08 45.885	+19 32 20.22	+0.0107	-0.007	4.37	2	5.40	2	6.26	2	K2III		93328	V?	
464	48 EPS	ARI	02 56 20.825	+21 08 29.91	-0.0012	-0.002	4.63	2	4.67	2	4.75	2	A2V		75673	DV?	
465	58 ZET	ARI	03 12 01.326	+20 51 37.93	-0.0019	-0.071	4.89	2	4.87	2	4.86	2	A0IV-V		75810		
466	17 ETA	ARI	02 09 59.756	+20 58 37.31	+0.0115	+0.007	5.23						F5V		75204		
467	22 THE	ARI	02 15 20.327	+19 40 15.22	-0.0008	+0.003	5.57		5.580				A1V		92877		
468	8 IOT	ARI	01 54 36.827	+17 34 27.51	+0.0025	-0.016	4.95						K1P		92721		
469	12 KAP	ARI	02 03 45.688	+22 24 39.37	+0.0013	-0.031	5.03						A M		75146		
470	9 LAM	ARI	01 55 08.177	+23 21 11.25	-0.0055	-0.009	4.79	2	5.07	2	5.16	2	F0IV		75051	DV?	
471	34 MU	ARI	02 39 32.488	+19 47 58.68	+0.0021	-0.040	5.66		5.640				A0IV-V		93062	D	
472	32 NU	ARI	02 35 58.270	+21 44 46.88	-0.0006	-0.014	5.34		5.500				A7V		75495		
473	24 XI	ARI	02 22 07.978	+10 23 06.91	+0.0013	-0.009	5.49		5.380				B6		92932		
474	37 OMI	ARI	02 41 47.338	+15 06 04.54	-0.0002	-0.016	5.70		5.690				B9V		93082		
475	42 PI	ARI	02 46 29.805	+17 15 27.06	-0.0001	-0.012	5.21		5.150				B6IV		93127	DV?	
476	46 RHO	ARI	02 53 36.479	+17 49 30.02	+0.0193	-0.207	5.50						DF5		93195		
477	43 SIG	ARI	02 48 43.655	+14 52 38.06	+0.0022	-0.024	5.43		5.330				B7V		93144		
478	61 TAU	ARI	03 18 20.100	+20 58 05.58	+0.0019	-0.023	5.18						B5V		75886		
479	1	AUR	04 46 32.387	+37 24 07.10	-0.0031	+0.039	4.92						K4III		57447		8
480	2	AUR	04 49 16.855	+36 37 14.23	-0.0022	-0.007	4.77	2	6.18	2	7.76	2	K3III		57475		
481	5	AUR	04 56 51.770	+39 19 15.84	-0.0014	+0.004	5.90						DF3		57559	D	
482	6	AUR	04 56 56.139	+39 34 52.49	+0.0002	+0.007	6.56						GK5		57560		
483	9	AUR	05 02 45.294	+51 32 01.11	-0.0030	-0.172	5.00	2	5.34	2	5.33	2	F0V		25019	D	
484	12	AUR	05 12 44.635	+46 21 40.99	-0.0001	+0.005	6.94	4					B5	4	40183		
485	16	AUR	05 14 53.588	+33 19 17.00	+0.0037	-0.160	4.54	2	5.81	2	7.08	2	K3III		57853	D	
486	18	AUR	05 16 05.549	+33 56 04.94	+0.0008	-0.010	6.48						A5		57893	D	
487	19	AUR	05 16 42.951	+33 54 27.90	-0.0002	-0.010	5.03	2	5.30	2	5.74	2	A5III		57906	V?	
488	22	AUR	05 20 12.706	+28 53 27.71	+0.0015	-0.029	6.38		6.370				B9V		77139		
489	26	AUR	05 35 25.293	+30 27 52.83	-0.0014	-0.009	5.43		5.840				G5III?+A3		58280	DV?	
490	28	AUR	05 45 23.027	+39 31 06.13	+0.0001	-0.020	6.90	4					G0	4	58460		
491	36	AUR	05 57 10.894	+47 54 03.90	+0.0007	-0.018	5.68						A0		40778		
492	38	AUR	05 59 41.618	+42 54 55.21	+0.0106	-0.144	6.10	2	7.07	2	7.85	2	K0III		40818		
493	39	AUR	06 01 27.603	+42 59 15.57	-0.0034	-0.144	5.84						A8N		40840	V?	
494	40	AUR	06 03 08.209	+38 29 21.37	+0.0010	-0.051	5.27						A M		58749		
495	41	AUR	06 07 46.771	+48 43 24.85	+0.0020	-0.050	6.09						A0		40925	D	
496	41	AUR	06 07 46.641	+48 43 32.18	+0.0013	-0.066	6.82						A0		40924	D	
497	42	AUR	06 13 51.050	+46 26 34.93	-0.0041	+0.018	6.52	2	6.79	2	6.88	2	F0V		40999		
498	43	AUR	06 14 33.152	+46 22 56.00	+0.0013	-0.127	6.39	2	7.50	2	8.62	2	K2III		41010		
499	45	AUR	06 17 42.473	+53 28 38.36	+0.0033	-0.093	5.36	2	5.79	2	5.91	2	F5III		25681		
500	47	AUR	06 26 18.927	+46 43 10.66	-0.0004	+0.008	5.87						GK4		41130		

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501	49	AUR	06 32 03.125	+28 03 47.31	+0.0003	-0.018	5.09		5.060				B9.5V		78524		
502	51	AUR	06 35 11.702	+39 26 13.19	-0.0019	-0.111	5.54						GK5		59316		
503	53	AUR	06 35 12.754	+29 01 44.55	-0.0015	-0.022	5.51		5.500				A P		78571		
504	54	AUR	06 36 23.954	+28 18 33.02	-0.0004	-0.015	5.86		5.770				B6III		78593	n	
505	59	AUR	06 49 35.149	+38 55 51.05	+0.0005	+0.006	5.96						A7N		59571	n	
506	60	AUR	06 49 47.756	+38 30 08.68	+0.0030	-0.178	6.25						DF5		59576		
507	62	AUR	06 55 38.542	+38 07 22.55	-0.0034	-0.123	5.99	2	7.22	2	8.38	2	K2III		59658		
508	63	AUR	07 08 13.118	+39 24 14.81	+0.0038	+0.001	4.91						K4II-III		59866		
509	64	AUR	07 14 33.781	+40 58 27.16	-0.0013	+0.012	5.71						A3		41679		
510	65	AUR	07 18 42.354	+36 51 23.47	-0.0074	-0.026	5.00						G8III		60010	n	
511	66	AUR	07 20 40.918	+40 46 14.17	-0.0005	-0.027	5.13						K0III		41718		
512		R	05 13 15.256	+53 31 56.59	+0.0020	-0.020	6.5						GM7E		25112	DV	
513		AB	04 52 34.347	+30 28 21.61	+0.0006	-0.026	7.46	4					A0	4	57506	V	
514		AE	05 12 59.811	+34 15 24.59	+0.0007	+0.030	5.3						O9.5V		57816	DV	
515		AM	04 53 22.936	+32 07 30.77	+0.0003	-0.002	9.3	6							57516	V	
516	17	AR	05 15 01.247	+33 42 55.12	+0.0010	-0.030	5.8		5.740				B9		57858	V	
517		BF	05 01 33.022	+41 13 13.62	+0.0036	-0.025	8.6	6					A0	6	40003	V	
518		BK	05 06 49.761	+49 37 32.78	-0.0010	-0.012	9.0	6	9.860	7					40075	V	
519		CO	05 57 07.452	+35 18 38.60	-0.0005	-0.011	7.8	6					F5	6	58649	V	
520		CQ	06 00 39.255	+31 19 51.22	-0.0007	-0.010	9.0	6							-8699	V	
521		EL	04 59 30.604	+50 33 44.59	+0.0005	-0.005	8.6	6					N3	6	24981	V	
522		EO	05 14 58.568	+36 34 46.84	-0.0011	-0.024	7.44	4					B5	4	57857	V	
523		FU	05 44 55.013	+30 36 53.42	+0.0012	+0.000	8.5	6					NA	6	58449	V	
524		HH	05 36 17.907	+29 48 24.68	-0.0023	-0.012	8.3	6					G5	6	77356	V	
525		HZ	05 02 50.998	+33 51 08.33	+0.0001	-0.003	6.94	5	6.880	7			B9P	7	57631	V	
526		IM	05 11 47.293	+46 21 00.52	-0.0033	+0.005	7.7	5					B9	7	40167	V	
527		IQ	05 15 42.409	+33 41 50.28	+0.0009	-0.025	5.38		5.180	7			A0P	4	57884	V	
528		IU	05 24 32.813	+34 44 30.99	+0.0007	-0.011	8.2	5	8.430	7			B2	7	58059	V	
529		IY	05 44 51.110	+43 03 59.05	-0.0001	-0.009	8.9	6					B5?P	7	40615	V	
530	14	KW	05 12 08.792	+32 37 54.25	-0.0019	+0.014	5.06		5.260				A9V		57799	DV	
531		LY	05 26 21.945	+35 20 10.87	-0.0002	-0.004	6.71	4	6.90	7	6.12	7	O9.5+09.5	7	58105	DV	
532		MZ	05 17 10.476	+36 34 57.40	-0.0002	+0.004	7.8	6					B2	6	57915	V	
533		NO	05 37 26.943	+31 53 43.27	+0.0008	+0.006	6.72	7	8.26	7			B2V	7	58322	V	
534	48	RT	06 25 21.251	+30 31 33.15	+0.0002	-0.014	5.4		5.820	7			G0		59128	V	
535		RX	04 57 55.452	+39 53 17.19	+0.0006	+0.009	7.8	6	8.580	7			G5	6	57573	V	
536		SU	04 52 47.873	+30 29 19.60	+0.0012	-0.031	8.8	6							57509	V	
537		SX	05 08 10.225	+42 06 18.86	+0.0013	+0.012	8.1	6					A3	6	40094	V	
538		SY	05 09 05.020	+42 46 20.96	+0.0000	-0.013	8.6	6	9.520	7					40115	V	
539		TT	05 06 14.780	+39 31 25.18	-0.0000	-0.002	8.5	6					B5	6	57690	V	
540		TU	06 31 55.715	+45 39 50.99	-0.0011	-0.002	8.5	5					MB	5	41193	V	
541		TW	05 53 25.063	+45 30 13.61	+0.0000	-0.035	8.4	6					MC	6	40721	V	
542		UU	06 33 06.637	+38 29 16.10	+0.0005	-0.028	5.29	2	7.89	2			C5-3		59280	V	
543		UV	05 18 33.313	+32 27 51.36	+0.0012	+0.047	9.3	6					PEC	6	57941	V	
544		UX	05 12 07.350	+49 29 27.77	-0.0010	-0.012	8.2	6					MB	6	40175	V	
545		UZ	05 11 41.044	+40 04 35.15	-0.0013	+0.021	8.3	6					MA	6	40163	V	
546		WW	06 29 11.433	+32 29 32.77	-0.0020	-0.019	5.6						A M		59194	V	
547	13	ALP	05 12 59.466	+45 56 58.03	+0.0077	-0.423	.080	1	0.880	1	1.330	1	G8III?+F		40186	DV?	
548	34	BET	05 55 51.579	+44 56 40.68	-0.0052	-0.001	1.900	1	1.930	1	1.970	1	A2V		40750	DV	
549		GAM	= 112 BET TAU														
550	33	DEL	05 55 24.518	+54 17 00.14	+0.0095	-0.126	3.720	1	4.710	1	5.620	1	K0III		25502		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS																		
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N	
551	7 EPS	AUR	04 58 22.530	+43 45 05.35	L	+0.0001	-0.004	2.990	1	3.530	1	3.860	1	A8IA		39955	nv	
552	8 ZET	AUR	04 58 58.680	+41 00 17.78		+0.0008	-0.022	3.750	1	4.970	1	5.350	1	K5II+B		49966	V	
553	10 ETA	AUR	05 03 00.214	+41 10 08.38		+0.0026	-0.067	3.180	1	3.000	1	2.330	1	B3V		40026	V?	
554	37 THE	AUR	05 56 18.627	+37 12 40.05		+0.0041	-0.082	2.620	1	2.540	1	2.360	1	B9.5PV		58636	DV?	
555	3 IOT	AUR	04 53 43.982	+33 05 19.94		+0.0003	-0.018	2.690	1	4.220	1	6.000	1	K3II		57522	V?	
556	44 KAP	AUR	06 12 11.481	+29 31 06.24		-0.0054	-0.265	4.35	2	5.36	2	6.17	2	G8III		78143	V?	
557	15 LAM	AUR	05 15 37.211	+40 03 24.51		+0.0456	-0.661	4.71	2	5.33	2	5.46	2	G0V		40233	D	
558	11 MU	AUR	05 10 00.157	+38 25 38.27		-0.0016	-0.076	4.88	2	5.06	2	5.16	2	A M		57755		
559	32 NU	AUR	05 48 01.346	+39 08 09.47		-0.0004	+0.007	3.970	1	5.110	1	6.200	1	K0III		58502	n	
560	30 XI	AUR	05 50 39.215	+55 41 52.55		-0.0014	+0.022	5.00	2	5.05	2	5.17	2	A2P?		25450		
561	27 OMI	AUR	05 42 01.442	+49 48 24.60		-0.0010	+0.000	5.47	2	5.50	2	5.57	2	A P		40583		
562	35 PI	AUR	05 56 13.359	+45 56 04.47		+0.0001	-0.005	4.25	2	5.97	2	7.80	2	M3II		40756	V	
563	20 RHO	AUR	05 18 15.828	+41 45 24.75		+0.0015	-0.032	5.09		4.910				B5V		40269		
564	21 SIG	AUR	05 21 15.060	+37 20 26.65		+0.0001	-0.008	5.02						K4III		57981	D	
565	29 TAU	AUR	05 45 42.481	+39 09 58.50		-0.0021	-0.023	4.53	2	5.47	2	6.16	2	G8III		58465	D	
566	31 UPS	AUR	05 47 37.729	+37 17 35.85		+0.0034	-0.042	4.74	2	6.36	2	8.29	2	GM1		58496	V?	
567	24 PHI	AUR	05 24 19.833	+34 26 06.82		-0.0002	-0.047	5.12						K3P		58051		
568	25 CHI	AUR	05 29 28.244	+32 09 25.48		+0.0000	-0.002	4.77	2	5.12	2	4.68	2	B5IAB		58164		
569	46 PSI-1	AUR	06 21 02.880	+49 18 56.91		-0.0001	-0.001	4.95		6.920	7			M0IAB		41076	V	
570	50 PSI-2	AUR	06 35 45.703	+42 32 06.13		+0.0006	-0.059	4.79	2	6.02	2	7.32	2	K3II-III		41239		
571	52 PSI-3	AUR	06 35 20.296	+39 56 51.00		-0.0007	-0.014	5.26		5.190				B8III		59319		
572	55 PSI-4	AUR	06 39 26.746	+44 34 29.10		-0.0041	-0.029	5.02	2	6.50	2	8.33	2	K5III		41288		
573	56 PSI-5	AUR	06 43 08.206	+43 37 45.74		-0.0002	+0.164	5.22		5.790				G0V		41330	D	
574	57 PSI-6	AUR	06 43 50.996	+48 50 40.75		-0.0002	+0.007	5.15						K1III		41346		
575	58 PSI-7	AUR	06 47 13.920	+41 50 32.27		-0.0021	-0.132	5.02	2	6.29	2	7.64	2	K3III		41380		
576	61 PSI-8	AUR	06 50 31.472	+38 34 05.86		-0.0008	-0.028	6.24		6.190				B9P?		59589		
577	PSI-9	AUR	06 52 50.489	+46 20 23.27		+0.0018	+0.012	5.75		5.690				B8		41446		
578	PSI-10	AUR	= 16 LYN															
579	4 OME	AUR	04 55 51.444	+37 48 59.98		+0.0035	-0.100	4.95	2	5.00	2	5.01	2	A0V		57548	D	
580	1	B00	13 38 17.135	+20 12 28.48		-0.0035	+0.018	5.57		5.570				A1V		82942	D	
581	2	B00	13 38 40.375	+22 44 54.40		-0.0015	-0.029	5.63						GG9		82946		
582	3	B00	13 44 23.997	+25 57 08.51		-0.0016	-0.065	5.84						DF3		82993		
583	7	B00	13 50 49.498	+18 10 42.63		-0.0028	-0.001	5.59						GG4		100751		
584	9	B00	13 54 17.174	+27 44 11.48		+0.0020	-0.052	5.04						K3III		83084	V?	
585	10	B00	13 56 18.296	+21 56 21.76		-0.0008	-0.049	5.66		5.620				A0V		83103		
586	11	B00	13 58 54.410	+27 37 38.44		-0.0061	+0.014	6.12						A3		83130		
587	13	B00	14 06 25.202	+49 41 37.67		-0.0070	+0.059	5.22						GM2		44905	V?	
588	14	B00	14 11 40.773	+13 11 35.16		-0.0176	-0.055	5.48						DF6		100925	V?	
589	15	B00	14 12 23.822	+10 20 07.17		-0.0018	-0.157	5.24						K0III		100934	D	
590	18	B00	14 16 50.980	+13 14 02.67		+0.0072	-0.035	5.41	2	5.79	2	5.76	2	F5IV-V		100975		
591	20	B00	14 17 23.143	+16 32 06.18		-0.0101	+0.055	4.86	2	6.09	2	7.49	2	K3III		100980		
592	26	B00	14 30 16.105	+22 28 45.31		-0.0092	+0.033	5.91						DF2		83395		
593	31	B00	14 39 11.282	+08 22 28.74		-0.0003	+0.000	4.94						G8III		120601	V?	
594	32	B00	14 39 19.269	+11 52 30.14		-0.0107	-0.117	5.56	2	6.50	2	7.17	2	G8III		101152		
595	33	B00	14 36 58.529	+44 37 10.46		-0.0066	-0.020	5.36						A0		45153		
596	39	B00	14 47 59.220	+48 55 31.51		-0.0082	+0.093	5.60						DF6+DF5		45231	D	
597	40	B00	14 57 41.851	+39 27 45.54		-0.0029	+0.035	5.53						F2		64449		
598	50	B00	15 19 48.345	+33 06 42.07		-0.0043	+0.014	5.26		5.200				B9V		64656		
599	A	B00	14 15 52.952	+35 44 21.87		-0.0002	+0.011	4.81	2	5.87	2	6.79	2	K0III		64053		
600	46 -B	B00	15 06 14.172	+26 29 30.45		+0.0003	-0.017	5.56						GK2		83682		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
601	45 -C	B00	15 05 06.199	+25 03 46.28	+0.0136	-0.171	4.93	2	5.36	2	5.34	2	F5V		A3671		
602	12 -D	B00	14 08 07.066	+25 19 39.84	-0.0017	-0.064	4.83	2	5.37	2	5.44	2	F8IV		A3203		
603	6 -E	B00	13 47 20.894	+21 30 41.73	+0.0012	+0.013	4.94						K4III		A3015		
604	22 -F	B00	14 24 07.727	+19 27 02.75	-0.0051	+0.020	5.27						A5		101025		
605	24 -G	B00	14 26 53.392	+50 04 04.36	-0.0322	-0.049	5.49						SGG4		29165		
606	38 -H	B00	14 47 31.671	+46 19 25.55	-0.0007	-0.079	5.71						DF4		45226		
607	44 -I	B00	15 02 08.279	+47 50 53.32	-0.0409	+0.032	4.76	2	5.41	2	5.52	2	DG1		45357	DV	
608	47 -K	B00	15 03 46.364	+48 20 36.15	-0.0071	+0.028	5.56						A0		45370	DV?	
609	R	B00	14 34 59.266	+26 57 09.41	-0.0005	+0.007	5.9	4					M4E	4	A3440	V	
610	S	B00	14 21 12.394	+54 02 12.41	+0.0009	-0.031	7.9	4					M4E	4	29125	V	
611	V	B00	14 27 44.151	+39 04 59.12	+0.0021	-0.035	6.4	4					M6E	4	64180	V	
612	34 W	B00	14 41 13.443	+26 44 22.02	-0.0011	-0.020	4.81	2	6.47	2	8.41	2	GM3		A3488	V	
613	Y	B00	14 19 41.776	+20 01 59.36	-0.0011	-0.032	7.4	4					K0	4	83308	V	
614	AD	B00	14 32 58.268	+24 51 24.30	-0.0021	-0.049	9.1	6					G0	6	A3421	V	
615	BP	B00	15 41 28.985	+52 31 04.72	-0.0075	+0.029	5.39		5.330	7			A0P	6	29628	V	
616	BW	B00	14 35 05.702	+36 08 45.19	-0.0045	-0.016	6.97	4					A2	7	64240	V	
617	BX	B00	14 58 56.279	+47 28 27.43	-0.0014	+0.021	6.38		6.24	7			A0P	6	45326	DV	
618	BY	B00	14 05 55.835	+44 05 29.73	+0.0007	-0.031	5.28	2	6.86	2	8.52	2	M4III-M4.5	7	44901	V	
619	RW	B00	14 37 09.314	+32 45 15.25	+0.0019	-0.003	8.3	6					M5E	7	64256	V	
620	RX	B00	14 39 06.201	+31 47 06.62	-0.0002	-0.001	8.0	7					M5	7	64273	V	
621	RY	B00	14 21 56.691	+25 55 48.52	+0.0024	-0.061	8.6	7					M7E	7	A3331	V	
622	UV	B00	14 47 28.221	+23 14 19.37	+0.0036	-0.012	7.2	4					F3	4	A3548	V	
623	UY	B00	14 20 17.278	+25 46 38.05	-0.0040	-0.029	8.2	5					F5	5	A3315	V	
624	XZ	B00	13 56 20.210	+13 11 41.96	+0.0011	-0.058	9.4	6					A2	6	100803	V	
625	ZZ	B00	13 51 31.543	+17 31 33.64	-0.0028	-0.009	9.0	6							100761	V	
626	16 ALP	B00	13 53 51.752	+26 09 46.10	-0.0086	-0.007	6.69	4					F0	4	A3080	V	
627	42 BET	B00	14 13 22.750	+19 26 30.95	-0.0776	-1.999	-0.050	1	1.180	1	2.460	1	K2IIIP		100944	V?	
628	27 GAM	B00	15 00 03.664	+40 35 12.80	-0.0040	-0.032	3.500	1	4.470	1	5.180	1	G8III		45337		
629	49 DEL	B00	15 13 29.117	+33 30 01.20	-0.0099	+0.149	3.020	1	3.210	1	3.330	1	A7III		64203	DV	
630	36 EPS	B00	14 30 03.837	+38 31 34.11	+0.0066	-0.116	3.490	1	4.440	1	5.120	1	G8III		64589	DV?	
631	30 ZET	B00	14 42 48.137	+27 17 02.66	-0.0038	+0.018	2.370	1	3.340	1	4.070	1	K0II-III+A		83500	D	
632	8 ETA	B00	14 38 45.540	+13 56 30.48	+0.0036	-0.020	3.780	1	3.830	1	3.880	1	A2III+A2I		101145	D	
633	23 THE	B00	13 52 18.168	+18 38 51.35	-0.0045	-0.363	2.680	1	3.260	1	3.460	1	G0IV		100766		
634	21 IOT-1	B00	14 23 29.610	+52 04 52.32	-0.0262	-0.400	4.06	2	4.56	2	4.57	2	F7V		29137	V?	
635	14 IOT-2	B00	14 14 23.673	+51 35 49.93	-0.0165	+0.088	4.75	2	4.95	2	5.01	2	A7V		29071	DV?	
636	17 KAP-1	B00	14 14 25.816	+51 36 22.17	-0.0179	+0.082	8.8	4					A2	4	29073	D	
637	17 KAP-2	B00	14 11 40.271	+52 01 15.47	+0.0054	-0.024	6.69		7.08		6.99	2	F2V		29045	D	
638	19 LAM	B00	14 11 41.518	+52 01 23.55	+0.0063	-0.007	4.54		4.740		4.84	2	A7IV		29046	DV	
639	51 MU-1	B00	14 14 28.969	+46 19 01.93	-0.0183	+0.158	4.18	2	4.26	2	4.31	2	A0P		44965	V?	
640	51 MU-2	B00	15 22 35.995	+37 33 05.49	-0.0124	+0.084	4.32	2	4.63	2	4.69	2	F0V		64686	D	
641	52 NU-1	B00	15 22 37.402	+37 31 18.89	-0.0124	+0.091	6.50	2	7.09	2	7.22	2	DG0		64687	D	
642	53 NU-2	B00	15 29 07.882	+41 00 09.24	+0.0006	-0.010	5.02	2	6.61	2	8.52	2	K5III		45580		
643	37 XI	B00	15 29 59.475	+41 04 05.26	-0.0019	-0.012	5.02	2	5.09	2	5.20	2	A3		45590	D	
644	35 OMI	B00	14 49 04.784	+19 18 27.00	+0.0096	-0.103	4.54	2	5.31	2	5.60	2	GBV		101250	D	
645	29 PI-1	B00	14 42 54.369	+17 10 30.21	-0.0041	-0.053	4.60	2	5.58	2	6.33	2	K0III		101184		
646	29 PI-2	B00	14 38 22.485	+16 37 54.23	+0.0010	+0.011	4.942	2	4.902	2	4.582	2	A P		101138	DV?	
647	25 RHO	B00	14 38 22.872	+16 37 52.28	-0.0000	+0.006	5.814	2	5.774	2	5.454	2	A M		101139	DV?	
648	28 SIG	B00	14 29 40.446	+30 35 24.14	-0.0079	+0.117	3.590	1	4.890	1	6.330	1	K3III		64202	D	
649	4 TAU	B00	14 32 30.141	+29 57 41.19	+0.0145	+0.129	4.47	2	4.84	2	4.76	2	F2V		83416		
650		B00	13 44 53.109	+17 42 18.89	-0.0338	+0.034	4.50	2	4.98	2	5.03	2	F7V		100706	DV?	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
651	5 UPS	B00	13 47 03.866	+16 02 42.66	-0.0066	+0.037	4.07	2	5.59	2	7.46	2	K5III		107725		
652	54 PHI	B00	15 36 01.742	+40 30 55.00	+0.0052	+0.059	5.24	2	6.12	2	6.65	2	G8III-IV		45643		
653	48 CHI	B00	15 12 23.619	+29 20 55.85	-0.0053	+0.026	5.19		5.210				A2V		83729		
654	43 PSI	B00	15 02 18.094	+27 08 29.75	-0.0132	-0.009	4.55	2	5.78	2	7.12	2	K2III		83645		
655	41 OME	B00	14 59 54.991	+25 12 17.18	-0.0004	-0.050	4.82	2	6.32	2	8.15	2	K4III		83624		
656	T	CAE	04 45 31.719	-36 17 50.61	+0.0037	+0.010	8.7	5					N4	7	195295	V	
657	X	CAE	= GAM-2 CAE														
658	Z	CAE	04 51 01.268	-43 08 34.38	+0.0021	+0.058	7.5	6					MA	6	217051	V	
659	ALP	CAE	04 38 56.921	-41 57 29.93	-0.0135	-0.078	4.45	2	4.79	2	4.79	2	F2V		216926	D	
660	BET	CAE	04 40 17.269	-37 14 27.52	+0.0032	+0.194	5.05	2	5.42	2			F8V		195239		
661	GAM- 1	CAE	05 02 36.381	-35 33 01.69	+0.0100	-0.050	4.550	1	5.750	1	6.940	1	GK3		195532	D	
662	GAM- 2	CAE	05 02 38.893	-35 46 25.16	+0.0017	+0.039	6.34	2	6.64	2			F0		195534	V	
663	DEL	CAE	04 29 18.117	-45 03 36.59	+0.0003	-0.001	5.07	2	4.88	2			B3V		216850		
664	ZET	CAE	04 45 52.463	-30 06 32.44	+0.0026	+0.095	6.37	2	7.44	2			K0		195300		
665	LAM	CAE	04 42 05.458	-41 09 24.57	-0.0004	+0.012	6.25	2	7.71	2			K5		216961		
666	NU	CAE	04 48 38.539	-41 24 21.86	-0.0002	+0.066	6.07	2	6.44	2			DF0		217032	D	
667	1	CAM	04 28 03.574	+53 48 15.94	+0.0000	-0.001	5.40						B0III		24672	D	
668	2	CAM	04 35 59.764	+53 22 36.89	+0.0054	-0.090	5.36						A5N		24744	D	
669	3	CAM	04 35 57.858	+52 58 56.11	-0.0001	-0.012	5.14						K0III		24743	D	
670	4	CAM	04 43 49.743	+56 40 15.10	+0.0066	-0.145	5.30						A M		24829	D	
671	5	CAM	04 50 57.347	+55 10 44.56	-0.0013	-0.006	5.51						A0		24904	D	
672	6	CAM	04 52 41.508	+55 44 46.54	-0.0005	-0.027	6.93	4					K5	4	24925	D	
673	7	CAM	04 53 16.194	+53 40 28.10	-0.0026	+0.008	4.47	2	4.45	2	4.43	2	A1V		24929		
674	8	CAM	04 55 46.879	+53 04 51.58	-0.0014	-0.008	6.26						GK3		24943		
675	11	CAM	05 01 47.147	+58 54 18.40	-0.0004	-0.006	5.22		5.140				B2V?PE		25001		
676	12	CAM	05 01 50.604	+58 57 15.46	+0.0002	-0.029	6.23						G65		25003		
677	14	CAM	05 08 51.500	+62 37 56.75	-0.0048	+0.008	6.36						A2		13413		
678	15	CAM	05 15 08.638	+58 03 57.70	+0.0008	-0.020	6.09						B3IV		25125		
679	16	CAM	05 19 10.611	+57 29 54.11	-0.0036	-0.055	5.14						A0		25161		
680	17	CAM	05 25 26.423	+63 01 42.13	-0.0005	-0.002	5.53						GM1		13518		
681	18	CAM	05 28 16.560	+57 11 18.31	+0.0145	-0.219	6.40						DF7		25241		
682	19	CAM	05 32 24.370	+64 07 30.38	+0.0009	-0.068	6.00		6.010				B9		13550	D	
683	21	CAM	05 35 50.675	+61 55 21.17	+0.0000	+0.016	6.65	4					A5	4	13564		
684	22	CAM	05 34 51.781	+56 20 02.55	+0.0019	-0.133	6.89	4					F5	4	25298		
685	23	CAM	05 39 32.397	+61 27 16.23	-0.0004	+0.002	6.30						G65		13590		
686	24	CAM	05 38 46.979	+56 33 28.80	+0.0018	+0.031	6.02						G69		25333		
687	25	CAM	05 39 50.361	+54 50 35.34	-0.0001	-0.014	6.80	4					A0	4	25344		13
688	26	CAM	05 42 17.335	+56 05 51.10	+0.0025	-0.056	6.01						A2		25362		
689	28	CAM	05 42 38.602	+56 54 21.05	+0.0027	-0.023	6.79	4					A0	4	25364		
690	29	CAM	05 46 17.945	+56 54 17.72	-0.0009	-0.008	6.37						A2N		25403	D	
691	30	CAM	05 47 52.685	+58 57 08.41	+0.0011	-0.022	6.02		5.980				B9		25419		
692	35	CAM	06 00 31.107	+51 34 37.36	+0.0003	-0.043	6.27						A5		25548	DV?	14
693	36	CAM	06 07 49.304	+65 43 53.19	+0.0015	-0.032	5.28						K2II-III		13756		
694	37	CAM	06 05 34.345	+58 56 41.85	+0.0033	+0.023	5.32						G8III		25597		
695	40	CAM	06 11 11.137	+60 00 56.59	+0.0046	-0.020	5.45						GK3		13772		
696	41	CAM	06 35 54.294	+61 58 07.01	-0.0028	+0.021	6.55	4					A2	4	13917		
697	42	CAM	06 45 44.874	+67 37 48.63	+0.0012	+0.003	5.02						B3IV		13973		
698	43	CAM	06 48 19.454	+68 56 58.72	+0.0011	+0.006	5.14						B7IV		13986		
699	45	CAM	07 14 52.505	+59 13 03.90	+0.0101	-0.027	7.63	4					F8	4	26269		
700	46	CAM	07 15 33.109	+59 20 45.11	-0.0005	-0.031	6.94	4					K2	4	26274		15

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701	47	CAM	07 17 54.974	+59 59 49.72	+0.0005	+0.013	6.23						A 4		26208	D	
702	48	CAM	07 35 41.142	+59 40 42.93	+0.0000	+0.003	7.10	4					A2	4	26450		17
703	49	CAM	07 41 56.712	+62 57 13.10	-0.0051	-0.059	6.32						GF0		14322		
704	51	CAM	07 41 54.397	+65 34 40.21	+0.0056	+0.020	5.90						GK2		14321		
705	52	CAM	07 52 24.226	+56 38 17.07	+0.0000	-0.026	6.49						A0		26579		18
706	54	CAM	07 58 32.122	+57 24 51.02	-0.0032	-0.066	6.40						DF8		26634		19
707	55	CAM	08 07 51.795	+68 37 25.96	+0.0002	+0.006	5.36						G8II		14456		20
708	56	CAM	08 11 38.522	+60 32 01.89	-0.0018	+0.005	6.32						DA7		14479	D	21
709	57	CAM	08 14 57.187	+62 39 49.67	-0.0019	+0.005	5.68						GG5		14500		22
710	R	CAM	14 21 17.844	+84 03 37.48	+0.0055	+0.017	7.2	4					SE	4	2366	V	
711	S	CAM	05 35 37.477	+68 46 18.94	-0.0015	-0.036	7.8	4					R8	4	13563	V	
712	U	CAM	03 37 29.094	+62 29 18.79	+0.0034	+0.016	7.6	4					NB	4	12870	V	
713	AA	CAM	07 09 34.134	+68 53 25.18	+0.0036	+0.004	7.6	4					MB	4	14121	V	
714	AL	CAM	11 37 14.810	+80 30 44.53	-0.0079	+0.010	9.5	6							1915	V	
715	AS	CAM	05 24 16.486	+69 27 23.03	+0.0001	+0.027	8.2	5					A0	7	13507	V	
716	AW	CAM	06 41 58.237	+69 40 59.69	-0.0043	+0.022	8.0	6					A0	7	13951	V	
717	53	AX	07 57 26.971	+60 27 48.10	-0.0058	-0.022	6.00		6.130				A2P	7	14402	V	
718	AZ	CAM	09 06 42.892	+82 08 51.35	-0.0035	-0.030	9.3	6							1470	V	
719	RS	CAM	08 43 58.515	+79 08 50.53	+0.0020	-0.035	8.8	6					MB	6	6653	V	
720	RU	CAM	07 16 20.363	+69 45 53.38	+0.0030	-0.013	9.1	6	10.090	7			K0	6	14157	V	
721	RV	CAM	04 26 31.896	+57 18 12.68	-0.0001	+0.001	8.2	6					M5	6	24656	V	
722	RW	CAM	03 50 15.152	+58 30 22.13	-0.0018	-0.001	8.6	6	9.780	7			K2	6	24282	V	
723	RX	CAM	04 00 49.264	+58 31 25.19	-0.0010	-0.006	8.0	6	9.030	7			G2IB-K2	7	24392	V	
724	RY	CAM	04 26 07.748	+64 20 01.28	+0.0010	-0.025	8.2	6					M3III	7	13165	V	
725	ST	CAM	04 46 01.262	+68 05 01.57	+0.0003	+0.011	6.9	4					NB	4	13285	V	
726	SV	CAM	06 30 36.662	+82 18 46.30	+0.0232	-0.155	9.2	4					G	4	1038	V	
727	SY	CAM	06 02 25.940	+80 04 56.18	+0.0025	-0.026	9.5	6							958	V	
728	SZ	CAM	04 03 23.837	+62 11 59.67	-0.0013	+0.010	7.07						B0II-III		13030	DV	
729	31	TU	05 50 28.948	+59 52 47.18	+0.0001	-0.019	5.2						A0		25447	V	
730	UV	CAM	04 01 31.482	+61 39 32.66	-0.0016	-0.012	7.3	6					R8	6	13009	V	
731	UX	CAM	05 05 25.999	+68 36 28.97	+0.0008	+0.014	8.5	6					MA	6	13301	V	
732	VZ	CAM	07 20 40.983	+82 30 50.36	-0.0003	-0.041	4.93						GM4		1179	V	
733	XX	CAM	04 04 46.077	+53 13 43.99	-0.0008	+0.001	7.07	4					K0	4	24431	V	
734	ZZ	CAM	04 13 15.861	+62 13 26.91	-0.0040	+0.007	7.37	4					MA	4	13084	V	
735	9	ALP	04 49 03.825	+66 15 38.64	+0.0006	+0.008	4.29	2	4.32	2	3.44	2	09.5IA		13298		
736	10	BET	04 58 57.617	+60 22 18.61	-0.0005	-0.014	4.030	1	4.960	1	5.590	1	G0IR		13351	D	
737	GAM	CAM	03 45 02.619	+71 10 51.59	+0.0044	-0.037	4.66	2	4.69	2	4.76	2	A3IV		5006		
738	1	CNC	07 54 09.186	+15 55 31.23	-0.0019	-0.045	5.81						GK3		97399		
739	3	CNC	07 57 55.470	+17 26 49.93	-0.0007	-0.008	5.55						GK3		97472		
740	4	CNC	07 58 42.959	+25 13 43.71	-0.0015	-0.017	6.16		6.170				A1V		79869		
741	5	CNC	07 58 39.375	+16 35 40.63	+0.0003	-0.009	5.86		5.840				B9V		97485		
742	7	CNC	08 00 53.481	+22 12 44.84	-0.0029	-0.010	6.85	4					K0	4	79903		
743	8	CNC	08 02 17.441	+13 15 43.55	-0.0024	-0.069	5.11		5.110				A0IV		97542		
744	11	CNC	08 05 46.237	+27 37 38.97	-0.0012	-0.025	6.79	4					K0	4	79974		
745	12	CNC	08 05 54.844	+13 47 16.08	-0.0001	-0.020	6.16						DF3		97594		
746	13	CNC	08 07 11.939	+25 59 35.45	-0.0011	-0.033	6.70	4					K0	4	79991		
747	21	CNC	08 21 11.210	+10 47 42.32	+0.0002	-0.026	6.16						GM2		97788	D	
748	24	A	CNC	08 23 41.534	+24 41 59.89	-0.0029	-0.083	7.10					DF1		80184	D	
749	24	B	CNC	08 23 41.815	+24 42 04.08	-0.0032	-0.088	7.64					DF6		80185	D	
750	28	CNC	08 25 39.062	+24 18 43.94	-0.0022	-0.061	6.05						A5		80204		

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751	29	CNC	08 25 50.013	+14 22 39.84	-0.0010	-0.015	5.87		6.060				A5V		97843		
752	34	CNC	08 29 56.657	+10 14 12.42	+0.0001	-0.008	6.23		6.210				A0V		97902		
753	35	CNC	08 32 27.104	+19 45 48.32	-0.0025	-0.014	6.58	2	7.26	2			G0III		97928		
754	37	CNC	08 35 22.736	+09 45 02.41	-0.0027	-0.010	6.53	2	6.51	2	6.47	2	A0		116975		
755	38	CNC	08 36 50.435	+19 57 21.43	-0.0025	-0.015	6.68	4					F0	4	98006		
756	39	CNC	08 37 13.995	+20 11 08.03	-0.0025	-0.019	6.39	2	7.37	2	8.20	2	K0III		80333		
757	40	CNC	08 37 19.063	+20 08 56.65	-0.0025	-0.015	6.52	4					A0	4	80336		
758	42	CNC	08 37 51.120	+19 53 51.58	-0.0023	-0.019	6.72	4					A5	4	98030		
759	46	CNC	08 42 17.621	+30 52 49.01	-0.0001	-0.006	6.13	2	7.07	2	7.70	2	G5III		61029		
760	52	CNC	08 48 22.988	+16 11 13.67	-0.0021	-0.013	7.21	4					G5	4	98169		
761	54	CNC	08 48 14.474	+15 32 14.51	-0.0079	+0.074	6.38	2	7.02	2			DG2		98168		
762	60	CNC	08 53 11.839	+11 49 06.01	-0.0007	-0.014	5.56						GK5		98235		
763	61	CNC	08 54 56.707	+30 25 37.71	+0.0043	+0.020	6.13						DF3		61157		
764	66	CNC	08 58 20.406	+32 26 56.52	-0.0003	-0.001	5.96		6.760				A3V		61202		
765	67	CNC	08 58 50.267	+28 06 03.23	-0.0042	-0.080	5.96						A5		80585		
766	68	CNC	08 58 55.374	+17 16 42.26	-0.0018	-0.013	7.11	4					B9	4	98302		
767	70	CNC	09 01 11.303	+28 05 50.69	+0.0001	-0.005	6.31		6.310				A0V		80609		
768	71	CNC	09 02 57.300	+17 35 27.11	-0.0018	-0.007	7.95	4					A2	4	98358		
769	75	CNC	09 05 51.097	+26 50 14.13	-0.0093	-0.373	5.79						DG3		80659		
770	78	CNC	09 06 14.228	+17 40 24.18	-0.0031	-0.036	7.35	4					K0	4	98389		
771	79	CNC	09 07 28.692	+22 12 02.42	+0.0004	+0.002	5.94						G65		80674		
772	80	CNC	09 09 08.541	+18 15 00.42	-0.0026	-0.024	6.75	4					A0	4	98425		
773	81	CNC	09 09 33.509	+15 11 55.13	-0.0361	+0.242	6.51	2	7.24	2			DG7		98427		
774	83	CNC	09 16 11.558	+17 55 06.30	-0.0085	-0.134	6.60	4					F5	4	98488		
775	45	A- 1	CNC	08 40 27.129	+12 51 41.34	-0.0001	-0.001	5.68					A9S		98069		
776	50	A- 2	CNC	08 44 11.641	+12 17 40.89	-0.0047	-0.056	5.63		5.740			A1V		98117		
777	49	-B	CNC	08 42 02.283	+10 15 50.42	-0.0010	-0.021	5.66		5.550			A0P	7	98089		
778	36	-C	CNC	08 34 23.191	+09 49 49.87	-0.0022	-0.011	5.94		6.030			A3V		116953		
779	20	-D- 1	CNC	08 20 30.163	+18 29 39.10	-0.0037	-0.031	5.80					DF0		97781		
780	25	-D- 2	CNC	08 23 00.168	+17 12 44.52	-0.0133	-0.156	6.09					DF4		97806		
781		R	CNC	08 13 48.540	+11 52 52.59	+0.0008	-0.013	6.0					GM7E		97694		
782		R	CNC	08 41 04.901	+19 12 55.57	-0.0013	+0.003	8.0	4				A0	4	98075		
783		T	CNC	08 53 48.912	+20 02 29.76	-0.0009	-0.007	8.0	4				N3	4	80524		
784		U	CNC	08 32 54.645	+19 04 10.11	+0.0007	+0.001	8.4	4				M2E	4	97942		
785		V	CNC	08 18 52.089	+17 26 43.26	+0.0002	+0.011	7.1	4				SE	4	97753		
786		X	CNC	08 52 34.038	+17 25 22.13	+0.0001	+0.005	6.64	2	10.00	2		C5-4		98230		
787		Z	CNC	08 19 36.889	+15 09 11.08	-0.0004	-0.045	8.8	6				MC	6	97768		
788		BI	CNC	= 49 -B													
789	9	BL	CNC	08 03 20.744	+22 46 47.76	-0.0005	-0.008	6.04		7.67	7		GM3		79940		
790	15	BM	CNC	08 10 03.143	+29 48 28.75	-0.0005	-0.023	5.63		5.560			A P		80016		
791		BN	CNC	08 37 47.647	+19 24 24.21	-0.0021	-0.014	8.0	6				A5	6	98027		
792	53	BO	CNC	08 49 28.430	+28 26 53.64	-0.0012	-0.008	6.14		7.73	7		GM3		80476		
793	27	BP	CNC	08 23 58.076	+12 49 15.71	-0.0018	-0.103	5.50	2	7.10	2	9.02	M3III	7	97819		
794		BQ	CNC	08 37 34.163	+20 21 36.68	-0.0021	-0.014	8.0	6	8.30	7		F2VN	7	80343		
795		RS	CNC	09 07 37.720	+31 10 05.01	-0.0016	-0.038	5.3					M6SE		61306		
796		RT	CNC	08 55 33.068	+11 02 23.22	-0.0004	-0.030	8.2	6				MA	6	98266		
797		RX	CNC	08 11 44.011	+24 53 16.40	+0.0002	-0.010	9.2	7				M8	6	80035		
798		RZ	CNC	08 36 02.695	+31 58 21.73	+0.0002	-0.005	8.5	6	9.680	7		K0	6	60954		
799		TU	CNC	08 49 34.927	+09 16 39.21	+0.0006	-0.013	9.1	6				A2	6	117211		
800		TW	CNC	08 26 51.737	+12 37 24.59	-0.0003	-0.011	8.4	6				G5	6	97854		

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801	TZ CNC	09 01 09.321	+21 08 51.85		+0.0010	-0.006	9.1	6					M0	6	80608	V	
802	UU CNC	07 59 41.467	+15 19 07.06		+0.0000	-0.004	8.9	6							97496	V	
803	UV CNC	08 35 52.830	+21 20 09.06		+0.0007	+0.003	8.9	6					M0	6	80312	V	
804	VV CNC	08 08 22.957	+19 17 52.23		+0.0000	-0.035	9.0	6							97631	V	
805	VZ CNC	08 38 09.536	+10 00 10.39		-0.0023	-0.026	7.83	5	8.030	7			F0	5	98035	V	
806	XX CNC	08 40 24.319	+20 46 51.97		-0.0002	-0.014	8.0	6					M3	6	80379	V	
807	65 ALP CNC	08 55 45.247	+12 03 09.07		+0.0024	-0.034	4.26	2	4.39	2	4.54	2	A M		98267	D	
808	17 BET CNC	08 13 48.282	+09 20 27.73		-0.0030	-0.052	3.530	1	5.010	1	6.780	1	K4III		116569	D	
809	43 GAM CNC	08 40 23.702	+21 38 58.82		-0.0074	-0.043	4.66	2	4.68	2	4.69	2	A1V		80378		
810	47 DEL CNC	08 41 50.747	+18 20 21.83		-0.0012	-0.233	3.940	1	5.020	1	6.010	1	K0III		98087	D	
811	41 EPS CNC	08 37 35.068	+19 43 23.07		-0.0027	-0.010	6.30	2	6.47	2	6.63	2	A M		98024		
812	16 ZET- 1 CNC	08 09 20.753	+17 47 59.93	L	+0.0047	-0.139	5.102						F8V+G0		97645	D	23
813	16 ZET- 2 CNC	08 09 21.213	+17 47 58.38		+0.0069	-0.112	4.67	2	5.20	2			DG2		97646	D	
814	33 ETA CNC	08 29 49.158	+20 36 44.72		-0.0032	-0.048	5.35						K3III		80243		
815	31 THE CNC	08 28 44.803	+18 15 53.29		-0.0040	-0.060	5.32						GM1		97881		
816	48 IOT- 1A CNC	08 43 40.514	+28 56 39.19		-0.0018	-0.045	4.132	2	5.162	2	5.942	2	G8II		80416	D	24
817	48 IOT- 1B CNC	08 43 38.685	+28 56 57.95		-0.0013	-0.044	6.542	2	7.572	2	8.352	2	A3V		80415	DV?	25
818	57 IOT- 2 CNC	08 51 11.894	+30 46 12.40		+0.0030	-0.023	5.47						GG7		61125	D	
819	76 KAP CNC	09 05 02.414	+10 52 14.13		-0.0014	-0.012	5.24		5.130				A P		98378	V	
820	19 LAM CNC	08 17 33.902	+24 10 52.39		-0.0016	-0.024	5.91		5.880				B9V		80113		
821	10 MU CNC	08 04 49.417	+21 43 42.36		+0.0015	-0.074	5.30	2	5.93	2	6.14	2	G2IV		79959		
822	69 NU CNC	08 59 49.072	+24 39 03.46		-0.0002	-0.007	5.46	2	5.43	2	5.33	2	A P		80595		
823	77 XI CNC	09 06 29.235	+22 14 55.95		+0.0002	-0.000	5.09						K0III		80666		
824	62 OMI- 1 CNC	08 54 27.731	+15 30 56.32		+0.0039	+0.013	5.07						A3		98247		
825	63 OMI- 2 CNC	08 54 47.768	+15 46 28.55		+0.0040	+0.025	5.64						A5		98250		
826	82 P1 CNC	09 12 28.346	+15 09 00.14		-0.0028	-0.013	5.43						GK1		98456		
827	55 RHO- 1 CNC	08 49 37.369	+28 31 23.16		-0.0366	-0.239	5.94		6.780				DK0		80478	D	
828	58 RHO- 2 CNC	08 52 40.203	+28 07 10.72		-0.0009	-0.037	5.15						G8II-III		80511		
829	51 SIG- 1 CNC	08 49 29.565	+32 39 46.52		-0.0002	+0.012	5.76						A M		61102	D	
830	59 SIG- 2 CNC	08 53 51.783	+33 06 14.89		-0.0038	-0.072	5.39						A3		61146		
831	64 SIG- 3 CNC	08 56 28.705	+32 36 50.89		-0.0036	-0.039	5.46						GG9		61177		
832	72 TAU CNC	09 05 00.201	+29 51 23.34		-0.0023	-0.004	5.26						G8III		80650		
833	30 UPS- 1 CNC	08 28 33.272	+24 15 04.24		-0.0061	-0.049	5.65						A9N		80229		
834	32 UPS- 2 CNC	08 30 02.916	+24 15 22.67		-0.0049	-0.051	6.36	2	7.38	2	8.26	2	G9III		80245		
835	22 PHI- 1 CNC	08 23 25.457	+28 03 34.66		-0.0024	-0.124	5.63						K5III		80181		
836	23 PHI- 2A CNC	08 23 45.875	+27 06 00.98		-0.0011	-0.006	6.30		6.480				A4III		80188	D	26
837	23 PHI- 2B CNC	08 23 45.649	+27 05 57.10		-0.0010	-0.001	6.32		6.500				A4III		80187	D	27
838	18 CHI CNC	08 17 01.807	+27 22 52.07		-0.0012	-0.382	5.14	2	5.61	2	5.55	2	F6V		80104		
839	14 PSI CNC	08 07 26.658	+25 39 38.31		-0.0050	-0.351	5.73		6.560				DG6		79995		
840	2 OME CNC	07 57 54.480	+25 31 52.56		+0.0010	+0.001	5.75						GG8		79861		
841	1 CVN	12 12 15.101	+53 42 45.72		-0.0024	-0.020	6.12						GK0		28309		28
842	2 CVN	12 13 37.464	+40 56 18.07		+0.0013	-0.037	5.60						M1III		44097	D	
843	3 CVN	12 17 21.284	+49 15 41.27		-0.0012	+0.002	5.31						GM1		44127		
844	5 CVN	12 21 36.061	+51 50 20.55		+0.0009	+0.010	4.80	2	5.67	2	6.29	2	G7III		28366		
845	6 CVN	12 23 23.345	+39 17 44.80		-0.0070	-0.037	5.04						G8III-IV		63000		
846	7 CVN	12 27 41.303	+51 48 40.66		-0.0315	+0.019	6.13						DF6		28407		
847	9 CVN	12 36 22.106	+41 08 57.73		-0.0025	-0.021	6.37		6.550				A5V		44265		
848	10 CVN	12 42 37.654	+39 33 00.73		-0.0309	+0.135	5.95	2	6.50	2	6.47	2	G0V		63177		
849	11 CVN	12 46 23.980	+48 44 20.61		-0.0069	+0.011	6.27		6.440				A M		44332		
850	14 CVN	13 03 24.273	+36 03 57.55		-0.0027	+0.017	5.00		4.920				B9V		63338	V?	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
851	15	CYN	13 07 24.057	+38 47 58.97	-0.0016	-0.002	6.10		5.980				B7III		63374	D	
852	16	CYN	13 07 43.603	+38 59 22.62	-0.0035	-0.009	7.04	4					A3	4	63377		
853	17	CYN	13 07 45.560	+38 45 51.02	-0.0063	+0.038	5.98						F0		63380		
854	18	CYN	13 09 12.571	+41 03 28.17	-0.0033	-0.013	7.34	4					K0	4	44499		
855	19	CYN	13 13 17.180	+41 07 07.39	-0.0098	+0.011	5.59						A5		44531		
856	21	CYN	13 16 07.096	+49 56 40.38	-0.0034	+0.015	5.15						A0		44556	V?	
857	23	CYN	13 18 04.621	+40 24 44.81	-0.0054	-0.008	5.55						GK1		44570		
858	24	CYN	13 32 24.787	+49 16 15.85	-0.0132	+0.023	4.70	2	4.82	2	4.93	2	A4V		44668	V?	
859	25	CYN	13 35 14.400	+36 32 54.96	-0.0084	+0.022	4.83	2	5.06	2	5.15	2	A7III		63648	D	
860		CYN	13 46 48.498	+39 47 26.61	+0.0017	-0.006	7.4						GM6		63763	V	
861	R	CYN	13 10 48.487	+37 38 29.78	-0.0017	-0.027	7.9	6					M0	6	63409	V	
862	V	CYN	13 17 17.087	+45 47 22.43	-0.0047	-0.002	7.5	6					M4E	7	44564	V	
863	Y	CYN	12 42 47.084	+45 42 47.87	-0.0002	+0.012	4.87	2	7.41	2	14.03	2	C5-4		44317	V	
864	4 AI	CYN	12 21 19.690	+42 49 10.04	-0.0072	+0.009	5.93		6.290	7			F0		44155	V	
865	20 AO	CYN	13 15 18.147	+40 50 07.24	-0.0112	+0.017	4.73	2	5.03	2	5.23	2	F0II-IIIP		44549	V	
866	RS	CYN	13 08 17.856	+36 12 01.14	-0.0048	+0.023	8.3	6					F8	6	63382	V	
867	RW	CYN	13 57 24.787	+37 26 22.34	+0.0019	-0.027	8.6	6							63872	V	
868	SY	CYN	13 08 08.301	+47 18 24.11	+0.0000	+0.023	9.2	6							44494	V	
869	TT	CYN	12 57 02.068	+38 05 14.10	-0.0022	-0.029	7.9	6					NA	6	63280	V	
870	TU	CYN	12 52 39.731	+47 28 03.10	-0.0019	-0.008	5.83						M4		44383	V	
871	TV	CYN	13 12 57.474	+42 31 50.10	-0.0013	-0.029	9.1	6							44528	V	
872	TX	CYN	12 42 17.910	+37 02 14.41	+0.0025	-0.019	9.4	6							63173	V	
873	UY	CYN	12 22 27.162	+45 51 42.01	+0.0031	-0.044	9.0	6							44163	V	
874	VY	CYN	13 28 29.971	+38 01 58.40	+0.0021	-0.054	8.4	6							63576	V	
875	12 ALP- 1	CYN	12 53 40.203	+38 35 03.82	-0.0203	+0.057	5.60	2	5.94	2	5.91	2	F0V		63256	D	
876	12 ALP- 2	CYN	12 53 41.478	+38 35 16.82	-0.0201	+0.052	2.890	1	2.770	1	2.450	1	B9.5PV		63257	DV	
877	8 BET	CYN	12 31 22.289	+41 37 44.10	-0.0631	+0.288	4.27	2	4.86	2	4.91	2	G0V		44230		
878	3	CMA	= DEL COL														
879	11	CMA	06 44 34.174	-14 22 15.42	-0.0006	+0.009	5.29	2	5.25	2			B8		151919		
880	12	CMA	06 44 52.925	-20 57 36.18	-0.0014	+0.003	6.08	2	5.89	2	5.27	2	B8		172318		
881	17	CMA	06 52 53.107	-20 20 22.93	-0.0006	-0.006	5.75						A2		172569	D	
882	26	CMA	07 10 09.373	-25 51 27.36	-0.0010	+0.009	5.86						B3		173193		
883		CMA	07 17 12.307	-16 17 59.94	+0.0105	-0.134	5.4		5.750	7			F1V		152724	V	
884	R	CMA	07 05 43.195	-11 50 35.15	-0.0024	+0.023	7.0	6					NA	6	152427	V	
885	Z	CMA	07 01 22.566	-11 28 35.91	-0.0014	+0.021	8.6	6					BP	6	152302	V	
886	CO	CMA	07 11 58.263	-26 01 20.77	-0.0009	+0.014	8.2	6					M3	6	173257	V	
887	CW	CMA	07 19 46.375	-23 41 51.68	-0.0031	-0.009	8.8	6					B9	6	173554	V	
888	27 EW	CMA	07 12 12.835	-26 15 54.11	-0.0010	+0.005	4.65	2	4.45	2	3.76	2	B3IIPE		173264	DV	
889	15 EY	CMA	06 51 23.118	-20 09 40.03	-0.0009	+0.003	4.83	2	4.62	2	3.66	2	B1IV		172520	V	
890	EZ	CMA	06 52 08.092	-23 51 51.60	-0.0010	+0.001	6.55	4			5.650	7	WN5	7	172546	V	
891	FN	CMA	07 04 19.773	-11 12 56.53	-0.0012	-0.008	5.39	2	5.44	2	4.60	2	B0.5IV		152394	DV	
892	FR	CMA	06 19 04.808	-11 44 55.60	-0.0011	-0.007	5.46		5.45	7			B1VPE	6	151401	DV	
893	FS	CMA	06 25 59.093	-13 01 11.68	+0.0008	+0.016	7.46	4	7.49	7			B2IVE	7	151534	V	
894	10 FT	CMA	06 42 34.183	-31 01 04.81	-0.0016	+0.006	4.96			7			B3P		197149	DV	
895	FU	CMA	06 58 11.836	-22 02 53.31	-0.0008	-0.020	6.52	2	6.36	2			B3IV-VNE	7	172725	DV	
896	FV	CMA	07 05 17.090	-23 45 39.91	-0.0007	+0.021	5.75		5.55	7			B2IV-VE	7	173002	V	
897	FW	CMA	07 22 24.487	-16 06 06.39	-0.0014	-0.013	5.33		5.29				B3VE		152834	V	
898	FX	CMA	07 24 43.011	-11 37 07.20	-0.0010	+0.006	9.0	6	11.18	7			S3.9(C1)	7	152891	V	
899	FY	CMA	07 24 52.189	-22 59 02.77	-0.0012	+0.001	5.48		5.34	7			B0IV-VPE	7	173752	V	
900	RY	CMA	07 14 16.714	-11 23 50.68	+0.0005	-0.001	8.3	6					K0	6	152649	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
901	SW	CMA	07 06 07.882	-22 21 36.06		-0.0006	-0.004	9.1	6				A0	6	173039	V	
902	TU	CMA	06 29 32.673	-24 07 37.14		-0.0005	+0.005	9.6	6				A3	6	171888	V	
903	TX	CMA	06 11 18.490	-22 31 57.81		-0.0025	+0.025	9.2	6				B8	6	171416	V	
904	29 UW	CMA	07 16 35.375	-24 27 58.78		-0.0008	-0.002	4.950	1	4.800	1	3.800	07F		173444	V	
905	9 VY	CMA	07 20 54.603	-25 40 11.90		-0.0026	+0.022	8.18	1	8.150	1	7.460	M3CE	1	173591	DV	
906	ALP	CMA	06 42 56.713	-16 38 46.37	C	-0.0379	-1.211	-1.460	1	1.460	1	1.960	A1V		151881	D	
907	2 BET	CMA	06 20 29.789	-17 55 47.23		-0.0009	-0.004	1.970	1	1.730	1	0.770	B1II-III	7	151428	V	
908	23 GAM	CMA	07 01 29.713	-15 33 28.79		-0.0004	-0.009	4.12	2	4.01	2	3.53	B8II		152303		
909	25 DEL	CMA	07 06 21.436	-26 18 45.36		-0.0006	+0.003	1.840	1	2.510	1	3.050	F8IA		173047		
910	21 EPS	CMA	06 56 39.587	-28 54 10.24		+0.0001	+0.002	1.500	1	1.290	1	0.360	B2II		172676	D	
911	1 ZET	CMA	06 18 23.546	-30 02 23.86		+0.0004	+0.003	3.020	1	2.840	1	2.120	B2.5V		196698		
912	31 ETA	CMA	07 22 06.972	-29 12 16.04		-0.0006	+0.002	2.440	1	2.350	1	1.640	B5IA		173651		
913	14 THE	CMA	06 51 51.951	-11 58 28.64		-0.0098	-0.017	4.08	2	5.51	2	7.20	K4III		152071		
914	20 IOT	CMA	06 53 54.354	-16 59 16.84		-0.0007	+0.008	4.37	2	4.31	2	3.61	B3II		152126	V?	
915	13 KAP	CMA	06 47 58.322	-32 26 58.66		-0.0009	+0.002	3.950	1	3.720	1	2.790	B2VE		197258		
916	LAM	CMA	06 26 18.858	-32 32 50.81		-0.0019	+0.023	4.48	2	4.31	2	3.70	B5		196857		
917	18 MU	CMA	06 53 49.103	-13 58 38.75		-0.0005	+0.002	5.00	2	6.18	2		G5+A2		152123	D	
918	6 NU - 1	CMA	06 34 11.405	-18 37 02.99		-0.0012	+0.015	5.81					G8III		151694	D	
919	7 NU - 2	CMA	06 34 30.105	-19 12 43.33		+0.0040	-0.077	3.920	1	4.970	1	5.960	K1IV		151702		
920	8 NU - 3	CMA	06 35 41.389	-18 11 34.09		-0.0011	-0.009	4.42	2	5.57	2	6.61	K1II-III		151730		
921	4 XI - 1	CMA	06 29 46.283	-23 22 52.26		-0.0008	+0.010	4.33	2	4.09	2	3.11	B0.5IV		171895	DV	
922	5 XI - 2	CMA	06 32 57.562	-22 55 26.07		+0.0003	+0.013	4.54	2	4.48	2	4.47	A0V		171982		
923	16 OMI - 1	CMA	06 52 03.362	-24 07 12.87		-0.0009	+0.011	3.92	2	5.63	2	7.63	K3IAB		172542	V	
924	24 OMI - 2	CMA	07 00 56.142	-23 45 32.46		-0.0005	-0.001	3.010	1	2.930	1	2.130	B3IA		172839		
925	19 PI	CMA	06 53 27.261	-20 04 17.13		+0.0029	+0.041	4.69	2	5.05	2	5.11	GF2		172579	D	
926	22 SIG	CMA	06 59 43.581	-27 51 43.32		-0.0006	+0.002	3.430	1	5.150	1	7.020	M0IAB		172797	DV	
927	30 TAU	CMA	07 16 38.006	-24 51 42.54		-0.0010	+0.008	4.400	1	4.250	1	3.260	09III		173446	DV?	
928	28 OME	CMA	07 12 46.891	-26 41 05.01		-0.0009	+0.004	3.820	1	3.640	1	2.900	B3IVE		173282	V	
929	1	CMI	07 22 11.545	+11 46 08.64		-0.0012	-0.016	5.28					A4III		96871		
930	6	CMI	07 27 00.821	+12 06 41.66		+0.0000	-0.021	4.55	2	5.84	2	7.21	K2III		96952		
931	11	CMI	07 43 31.103	+10 53 29.87		-0.0019	-0.024	5.22		5.230			A1V		97224	V?	
932	14	CMI	07 55 45.091	+02 21 34.14		-0.0108	+0.096	5.28	2	6.19	2	6.91	K0III		116182		
933	R	CMI	07 05 57.563	+10 06 16.10		-0.0008	-0.009	7.2	4				SE	4	96548	V	
934	S	CMI	07 30 00.288	+08 25 35.49		-0.0014	-0.008	7.0	4				M7E	4	115591	V	
935	W	CMI	07 46 06.077	+05 31 08.83		-0.0000	+0.020	8.8	6				NA	6	115963	V	
936	AD	CMI	07 50 11.740	+01 43 39.14		-0.0012	-0.002	9.0	6				F2	6	116066	V	
937	AZ	CMI	07 41 31.249	+02 31 33.73		-0.0034	-0.024	6.47	2	6.67	2	6.81	F0	6	115864	V	
938	YY	CMI	08 04 02.855	+02 04 26.92		-0.0006	+0.002	8.6	6				F5	6	116352	V	
939	10 ALP	CMI	07 36 41.117	+05 21 16.81	C	-0.0473	-1.029	.370	1	0.790	1	0.820	F5IV		115756	DV?	
940	3 BET	CMI	07 24 26.357	+08 23 29.89		-0.0036	-0.040	2.890	1	2.800	1	2.520	B7V		115456	V?	
941	4 GAM	CMI	07 25 26.447	+09 01 42.20		-0.0043	+0.015	4.30	2	5.73	2	7.26	K3III		115478	D	
942	7 DEL - 1	CMI	07 29 30.057	+02 01 18.95		-0.0011	-0.004	5.25	2	5.47	2	5.67	A8		115581		
943	8 DEL - 2	CMI	07 30 34.368	+03 23 54.02		-0.0014	+0.036	5.59	2	5.90	2	6.00	A5		115610		
944	9 DEL - 3	CMI	07 31 38.445	+03 28 53.51		-0.0010	-0.016	5.81	2	5.79	2	5.70	A0		115644		
945	2 EPS	CMI	07 22 54.913	+09 22 34.68		-0.0005	-0.013	4.99	2	6.00	2	6.78	G8III		115425		
946	13 ZET	CMI	07 49 06.395	+01 53 45.19		-0.0013	-0.005	5.14	2	5.03	2	4.54	B8		116043		
947	5 ETA	CMI	07 25 20.734	+07 02 43.34		-0.0004	-0.046	5.25	2	5.47	2	5.64	GF0		115477	D	
948	3	CAP	20 13 36.771	-12 29 29.66		+0.0006	-0.012	6.41		6.420			B9		163402	D	
949	4	CAP	20 15 05.269	-21 57 57.37		+0.0024	-0.025	5.87	2	6.87	2		G8IV		189114		
950	13	CAP	20 34 33.073	-15 19 18.53		+0.0043	-0.038	6.93	4				K0	4	163740		

TABLE 3 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
951	17 CAP	20 43 16.212	-21 41 49.29		+0.0015	-0.009	5.89						A0		189667		
952	19 CAP	20 51 58.444	-18 06 49.76		-0.0037	-0.018	5.91						GK0		163975		
953	20 CAP	20 56 45.807	-19 13 48.99		+0.0007	-0.011	6.23						A0SI		164043		
954	21 CAP	20 58 03.042	-17 43 37.22		-0.0019	-0.011	6.54	4					K0	4	164061		
955	26 CAP	21 06 24.615	-20 23 47.76		+0.0019	+0.001	6.88	4					K0	4	190065		
956	27 CAP	21 06 41.624	-20 45 30.12		+0.0085	-0.122	6.15		6.900				DF1		190069	V?	
957	29 CAP	21 12 58.911	-15 22 49.49		+0.0017	+0.007	5.28		5.270				GM3		164263	V?	
958	30 CAP	21 15 09.166	-18 11 44.64		+0.0011	+0.000	5.39						B8		164286		
959	31 CAP	21 15 27.944	-17 40 22.92		+0.0024	+0.006	6.31		7.250				A5		164289		
960	33 CAP	21 21 19.652	-21 03 56.27		+0.0002	-0.129	5.77						GK2		190295	V?	
961	35 CAP	21 24 24.890	-21 24 48.74		-0.0019	-0.027	5.78	2	7.22	2	8.96	2	K5III		190349		
962	37 CAP	21 32 02.703	-20 18 29.78		-0.0027	+0.034	5.79						DF1		190461		
963	38 CAP	21 32 06.423	-20 28 31.14		+0.0002	-0.060	7.02	4					F8	4	190463		
964	41 CAP	21 39 10.107	-23 29 23.82		+0.0074	-0.086	5.32						GG9		190559	D	
965	42 CAP	21 36 49.849	-14 16 17.42		-0.0084	-0.304	5.28						G2IV		164580		
966	44 CAP	21 40 20.831	-14 37 45.10		-0.0003	+0.027	9.9						ASM		164600		
967	45 CAP	21 41 17.251	-14 58 46.14		-0.0018	+0.010	5.90						ASM		164612		
968	50 CAP	21 44 00.428	-11 55 40.13		+0.0020	-0.128	7.02	4					F8	4	164640		
969	24 A CAP	21 04 12.403	-25 12 24.97		-0.0017	-0.041	4.490	1	6.090	1	7.990	1	M1III		190025	D	
970	36 -B CAP	21 25 52.531	-22 01 33.65		+0.0099	-0.004	4.51	2	5.42	2	6.02	2	GG5		190374		
971	46 -C- 1 CAP	21 42 20.376	-09 18 47.02		+0.0012	-0.002	5.09	2	6.20	2	7.14	2	G8II-III		145637	V	
972	47 -C- 2 CAP	21 43 36.291	-09 30 26.97		+0.0012	+0.012	6.01	2	7.67	2	9.53	2	M3III	7	145648	V	
973	R CAP	20 08 30.184	-14 25 02.37		+0.0003	-0.004	9.1	4							163323	V	
974	S CAP	20 38 52.877	-19 14 13.43		-0.0013	-0.015	8.5	6					G5	6	163801	V	
975	T CAP	21 19 15.409	-15 22 21.67		+0.0001	-0.012	8.1	4					M2E	4	164343	V	
976	Z CAP	21 07 50.536	-16 22 41.81		+0.0002	-0.039	8.6	7					M4E	6	164193	V	
977	AB CAP	20 56 43.189	-14 59 41.87		-0.0001	-0.003	8.8	6					M4	6	164042	V	
978	AD CAP	21 37 03.793	-16 13 58.52		+0.0032	-0.024	9.2	6					K0	6	164558	V	
979	AE CAP	20 16 07.504	-16 00 53.18		+0.0018	-0.020	8.4	6					M4	6	163437	V	
980	AG CAP	= 47 -C-2 CAP															
981	RS CAP	21 04 27.988	-16 37 26.45		+0.0005	-0.025	8.5	6					M6	6	164150	V	
982	UU CAP	21 33 26.848	-14 05 33.80		+0.0045	+0.005	8.9	6					M4	6	164507	V	
983	5 ALP- 1 CAP	20 14 52.647	-12 39 51.04		+0.0013	+0.002	4.26	2	5.34	2	6.15	2	G3IB		163422	D	
984	6 ALP- 2 CAP	20 15 16.878	-12 42 04.49		+0.0042	+0.005	3.580	1	4.530	1	5.220	1	G9III		163427	D	
985	BET- 1 CAP	20 17 58.071	-14 56 38.31		+0.0028	+0.001	6.16		6.140				B9		163471	D	
986	9 BET- 2 CAP	20 18 12.200	-14 56 26.57		+0.0027	+0.003	3.080	1	3.870	1	4.140	1	F8V+A0		163481	D	
987	40 GAM CAP	21 37 19.372	-16 53 21.05		+0.0131	-0.022	3.670	1	3.990	1	4.200	1	A M		164560	DV	
988	49 DEL CAP	21 44 16.992	-16 21 18.42		+0.0182	-0.294	2.830	1	3.120	1	3.220	1	A M		164644	DV	
989	39 EPS CAP	21 34 17.002	-19 41 27.69		+0.0007	+0.006	4.72	2	4.56	2	3.98	2	B3V?P		164520	D	
990	34 ZET CAP	21 23 48.938	-22 37 44.34		+0.0001	+0.027	3.740	1	4.740	1	5.340	1	G5P		190341	D	
991	22 ETA CAP	21 01 33.704	-20 03 14.10		-0.0025	-0.035	4.84	2	5.02	2	5.07	2	A3M?		189986		
992	23 THE CAP	21 03 08.318	-17 25 57.78		+0.0058	-0.056	4.07	2	4.06	2	4.07	2	A0V		164132		
993	32 IOT CAP	21 19 27.888	-17 02 55.00		+0.0022	+0.006	4.27	2	5.18	2	5.74	2	G8III		164346		
994	43 KAP CAP	21 39 52.121	-19 05 42.64		+0.0103	-0.004	4.73	2	5.61	2	6.12	2	G8III		164593		
995	48 LAM CAP	21 43 50.688	-11 35 50.88		+0.0019	-0.007	5.59		5.580				A2V		164639		
996	51 MU CAP	21 50 34.305	-13 47 16.98		+0.0212	+0.014	5.08	2	5.45	2			F0V		164713		
997	8 NU CAP	20 17 53.485	-12 55 04.49		+0.0011	-0.018	4.76	2	4.72	2	4.61	2	B9V		163468	D	
998	1 XI - 1 CAP	20 09 11.715	-12 32 32.44		-0.0006	-0.016	6.44						K0III		163328		
999	2 XI - 2 CAP	20 09 38.773	-12 45 55.47		+0.0132	-0.193	5.88						F8V		163337		
1000	12 OMI- 1 CAP	20 27 00.634	-18 45 12.18		+0.0013	-0.088	6.74	2	6.96	2	7.00	2	A3		163625	D	

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1001	12 OMI- 2 CAP	20 27 01.999	-18 45 00.30		+0.0017	-0.081	5.94	2	6.02	2	6.32	2	A2		163626	D	
1002	10 PI CAP	20 24 27.627	-18 22 37.45		+0.0009	-0.010	5.20		5.130				B8		163592	D	
1003	11 RHO CAP	20 26 00.601	-17 58 49.23		-0.0011	-0.020	4.81	2	5.18	2	5.23	2	F2IV		163614	D	
1004	7 SIG CAP	20 16 30.618	-19 16 33.69		+0.0004	-0.006	5.46						K3II		163445		
1005	14 TAU CAP	20 36 28.701	-15 07 53.44		+0.0003	-0.021	5.30						B6III		163771	D	
1006	15 UPS CAP	20 37 12.309	-18 18 57.79		-0.0015	-0.018	5.10		6.740				M2III		163779		
1007	28 PHI CAP	21 12 47.293	-20 51 37.35		+0.0009	+0.004	5.35						GG9		190173		
1008	25 CHI CAP	21 05 41.937	-21 23 44.70		+0.0013	-0.056	5.27						A0V		190050	D	
1009	16 PSI CAP	20 43 08.301	-25 27 07.14		-0.0036	-0.156	4.130	1	4.560	1	4.600	1	F5V		189664		
1010	18 OME CAP	20 48 50.460	-27 06 27.20		-0.0004	+0.000	4.120	1	5.750	1	7.660	1	K5III		189781		
1011	A CAR	06 48 46.131	-53 33 47.16		-0.0004	+0.030	4.40	2	5.32	2	5.93	2	GG3		234737		
1012	-A CAR	09 09 39.029	-58 45 41.72		-0.0034	+0.006	3.440	1	3.250	1	2.560	1	B2IV		236693	V?	
1013	B CAR	08 08 11.036	-61 08 59.78		-0.0219	-0.283	4.76	2	5.19	2	5.16	2	DF7		250131		
1014	-B- 1A CAR	08 55 45.016	-59 02 08.48		-0.0019	+0.005	4.909	1	4.739	1	4.089	1	B3IV		236436	D	29
1015	-B- 1B CAR	08 55 50.184	-59 01 57.65		-0.0006	+0.015	7.349	1	7.179	1	6.529	1	B8	4	236440	D	30
1016	-B- 2 CAR	08 58 10.509	-58 53 30.25		-0.0227	+0.277	5.16	2	5.58	2			DF4		236475	D	
1017	-C- 1 CAR	08 14 30.697	-62 45 39.52		-0.0031	-0.025	5.16	2	5.24	2			A2		250164	D	
1018	-C- 2 CAR	08 14 30.999	-62 45 36.49		-0.0073	-0.003	8.5	4							250165	D	
1019	-C CAR	08 53 54.921	-60 27 11.05		-0.0032	+0.037	3.840	1	3.740	1	3.290	1	B8II		250374	D	
1020	-D- 1 CAR	07 59 42.321	-63 25 42.46		+0.0001	+0.019	4.820	1	4.650	1	4.030	1	B3IV		250069		
1021	-D- 2 CAR	08 04 00.426	-62 41 33.14		-0.0012	+0.015	6.30	2	6.20	2			B4VN		250101	D	
1022	-D CAR	08 39 30.828	-59 34 55.65		-0.0005	-0.004	4.325	1	4.205	1	3.395	1	B1III		236181	D	
1023	-E CAR	09 05 14.516	-70 20 13.97		-0.0007	-0.009	4.700	1	4.550	1	3.750	1	B2VE		256583	V?	
1024	-E- 1 CAR	08 34 05.838	-58 03 03.51		-0.0041	+0.004	5.26	2	5.12	2			B3VN		236105		
1025	-E- 2 CAR	08 34 08.841	-57 50 08.00		+0.0051	+0.021	4.86	2	5.86	2	6.67	2	GG9		236106		
1026	-F CAR	08 45 25.048	-56 35 06.99		+0.0001	+0.009	4.400	1	4.240	1	3.520	1	B2VNE		236268	V?	
1027	G CAR	09 05 01.948	-72 24 05.11		+0.0025	-0.009	4.48	2	5.09	2	5.31	2	F6II-III		256582		
1028	-G CAR	09 14 47.406	-57 19 53.02		-0.0018	-0.009	4.34	2	5.97	2	7.95	2	GK5		236787	V?	
1029	-H CAR	09 31 14.673	-72 51 32.55		-0.0043	-0.007	5.47	2	7.03	2	8.77	2	K2		256634		
1030	-H CAR	09 32 59.588	-59 00 21.72		-0.0015	+0.012	4.085	1	4.090	1	3.535	1	B5II		237117		
1031	I CAR	10 23 24.484	-73 46 36.88		-0.0044	-0.031	4.000	1	4.350	1	4.340	1	F3IV-V		256710	V?	
1032	-I CAR	09 10 08.631	-62 06 40.95		-0.0059	+0.006	3.970	1	3.785	1	3.120	1	B3IV		250471		
1033	-K CAR	10 29 04.382	-71 44 06.98		+0.0043	-0.034	4.735	1	5.085	1	4.840	1	A2M		256722		
1034	-K CAR	09 19 44.969	-62 11 27.88		+0.0010	-0.008	4.81	2	5.75	2	6.37	2	GG7		250544		
1035	L CAR	10 21 29.054	-66 38 53.57		-0.0040	-0.001	4.99	2	4.86	2	4.35	2	B8		250940		
1036	-L CAR	09 43 52.354	-62 16 36.42		-0.0023	+0.003	3.400	1	4.600	1	5.600	1	CG2		250683	V	
1037	M CAR	10 12 05.677	-66 07 28.10		-0.0058	-0.000	5.16	2	5.38	2	5.56	2	A M		250880		
1038	-M CAR	09 37 57.870	-61 06 04.10		-0.0055	+0.018	4.515	1	4.445	1	4.255	1	B9V		250653		
1039	N CAR	06 33 52.402	-52 56 02.61		-0.0015	+0.011	5.80	2	5.80	2			B9III		234589		
1040	-N CAR	09 25 39.313	-64 42 45.04		-0.0084	+0.059	6.05	2	6.20	2	6.30	2	A3		250583		
1041	O CAR	06 46 20.239	-55 29 02.06		+0.0005	+0.017	5.61	2	7.13	2			K2		234710		
1042	-P CAR	10 25 32.427	-57 22 59.78		-0.0015	-0.002	4.65	2	5.16	2	5.17	2	F0IA		238077	V?	
1043	-P CAR	10 30 14.487	-61 25 39.68		-0.0028	+0.006	3.350	1	3.250	1	2.540	1	B5VE		251006	V	
1044	-Q CAR	07 34 25.490	-52 25 17.59		+0.0019	-0.019	4.94	2	6.34	2	7.97	2	GK2		235336		
1045	-Q CAR	10 15 24.581	-61 04 55.08		-0.0037	+0.003	3.380	1	4.930	1	6.630	1	K5IB		250905	V	
1046	R CAR	09 30 59.210	-62 34 01.09		-0.0049	+0.017	6.000	1	7.350	1	7.950	1	GM5E		250614	DV	
1047	-R CAR	10 33 39.731	-57 17 53.77		-0.0027	-0.003	4.45	2	6.07	2	7.86	2	GK3		238222		
1048	S CAR	10 07 46.152	-61 18 14.15		-0.0129	+0.070	5.4						GK5E		250840	V	
1049	-S CAR	10 26 02.328	-58 29 01.15		-0.0018	-0.006	3.820	1	4.130	1	4.360	1	F0III		238085	V?	
1050	T CAR	10 53 16.980	-60 15 03.74		-0.0045	+0.081	5.92	2	7.00	2			GK0		251178	V	

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1051	-T- 1A CAR	10 37 04.718	-58 33 22.51		-0.0108	+0.009	5.935	2	7.375	2			GM1		238304	D	31
1052	-T- 1B CAR	10 37 07.655	-58 33 17.39		-0.0018	-0.004	8.959	2	10.399	2			B	4	238305	D	32
1053	-T- 2A CAR	10 36 50.545	-58 55 20.21		-0.0013	-0.002	4.676	2	6.156	2	7.126	2	CK		238295	DV?	33
1054	-T- 2B CAR	10 36 51.229	-58 55 06.55		-0.0004	-0.008	9.247	2	10.727	2	11.697	2	A	4	238297	D	34
1055	U CAR	10 55 45.601	-59 27 50.85		+0.0012	+0.013	6.10		7.500				G0		238635	V	
1056	-U CAR	10 51 27.397	-58 35 14.24		+0.0088	+0.027	3.780	1	4.430	1	5.380	1	K0III-IV		238574	V?	
1057	V CAR	08 27 42.525	-59 57 17.92		-0.0004	-0.014	7.4	4	8.110	7			G5	4	236021	V	
1058	W CAR																
1059	-W CAR	10 41 37.657	-60 18 14.13		-0.0040	+0.003	4.57	2	6.28	2	8.15	2	CK		251090	V?	
1060	X CAR	08 30 11.601	-59 03 25.26		-0.0028	-0.012	8.0	7					A0	6	236056	V	
1061	-X CAR	11 06 26.766	-58 42 13.82		-0.0009	-0.002	3.910	1	5.150	1	6.090	1	G0IA-0		238813		
1062	Y CAR	10 31 17.716	-58 14 25.44		+0.0011	-0.005	7.94	7	8.340	7			F5	6	238178	V	
1063	-Y CAR	11 10 26.815	-60 02 43.18		-0.0005	-0.000	4.60	2	5.15	2	5.20	2	F0IA		251316	D	
1064	-Z- 1 CAR	11 04 28.908	-62 09 12.83		-0.0056	+0.009	4.61	2	5.64	2	6.45	2	G65		251269		
1065	-Z- 2 CAR	11 06 28.544	-61 40 33.27		-0.0031	+0.007	5.13	2	5.36	2			B9IA		251286		
1066	AC CAR	07 05 58.097	-58 18 06.02		+0.0027	-0.002	9.1	7					MC	6	234939	V	
1067	AG CAR	10 54 10.612	-60 11 10.82		-0.0002	-0.016	6.5	4					PEC	4	251185	V	
1068	BO CAR	10 43 53.190	-59 13 30.92		-0.0033	-0.014	7.8	6					M0	6	238447	V	
1069	BZ CAR	10 52 08.613	-61 46 33.66		-0.0015	-0.021	9.0	4					K5	4	251169	V	
1070	CK CAR	10 22 39.043	-59 56 15.93		-0.0019	-0.031	7.0	6					MR	6	238038	V	
1071	DO CAR	10 11 37.469	-58 58 14.03		-0.0027	+0.005	9.1	7					B8	6	237813	V	
1072	EM CAR	11 09 56.419	-60 49 23.02		+0.0011	+0.001	8.7	7					B3	6	251312	V	
1073	ER CAR	11 07 32.017	-58 33 59.52		+0.0001	-0.017	7.72	4	8.400	7			F8	4	238825	V	
1074	GG CAR	10 53 58.015	-60 07 30.73		-0.0006	-0.003	9.1	7					PEC	6	251181	V	
1075	GI CAR	11 11 48.017	-57 38 18.09		-0.0016	-0.016	8.77	7	9.380	7			F8	6	238884	V	
1076	GM CAR	10 35 21.841	-58 58 47.08		-0.0025	-0.013	9.0	7					B9	6	238265	V	
1077	GW CAR	09 34 57.419	-59 45 39.56		-0.0022	+0.024	9.8	7					B8	6	237142	V	
1078	HP CAR	10 17 46.531	-57 09 12.70		-0.0005	-0.013	8.5	7					B2	6	237917	V	
1079	HR CAR	10 21 07.259	-59 22 17.38		+0.0002	-0.032	6.6	6					-	6	238005	V	
1080	IT CAR	11 10 02.657	-61 28 57.45		+0.0004	-0.007	8.84	7	9.720	7			K2	6	251314	V	
1081	IW CAR	09 25 42.951	-63 24 43.29		-0.0009	-0.005	7.9	7							250584	V	
1082	IX CAR	10 48 27.507	-59 43 02.01		-0.0007	-0.014	7.4	6					M0	6	238523	V	
1083	PP CAR																
1084	PX CAR	06 19 59.828	-54 31 28.63		-0.0034	+0.046	9.5	5					A2	7	234458	V	
1085	QS CAR	10 32 55.817	-70 54 24.15		-0.0189	-0.002	8.9	6					G	7	256729	V	
1086	QX CAR	09 52 56.908	-58 11 01.77		+0.0009	+0.010	6.72	4	6.55	7			B5V	7	237480	V	
1087	QY CAR	10 10 01.684	-57 48 47.32		-0.0030	+0.001	5.70	2	5.62	2			B2IVPNE	7	237776	V	
1088	QZ CAR	10 42 27.048	-59 43 49.18		-0.0006	+0.001	6.64	4	6.79	7			09.5IB:	7	238414	DV	
1089	RR CAR	09 56 27.374	-58 37 18.96		-0.0020	+0.013	8.1	4					M6	4	237549	V	
1090	RT CAR	10 42 50.212	-59 09 00.60		-0.0022	-0.017	10.0	6							238424	V	
1091	UW CAR	10 25 02.305	-59 24 51.54		-0.0063	-0.010	9.2	6	9.980	7			G0	6	238071	V	
1092	VY CAR	10 42 33.272	-57 18 08.35		-0.0004	-0.004	7.71	7	8.510	7			G5	6	238416	V	
1093	V 337 CAR																
1094	ALP CAR	06 22 50.493	-52 40 03.44		+0.0029	+0.022	-7.30	1	-0.580	1	-0.530	1	F0IB		234480		
1095	BET CAR	09 12 39.662	-69 30 39.63		-0.0288	+0.102	1.680	1	1.680	1	1.710	1	A1IV		250495		
1096	EPS CAR	08 21 29.383	-59 20 52.98		-0.0033	+0.015	1.860	1	3.140	1	3.330	1	K0II+B		235932	V?	
1097	ETA CAR	10 43 06.902	-59 25 15.86		-0.0003	+0.006	6.220	1	6.840	1	6.380	1	PEC	7	238429	DV	
1098	THE CAR	10 41 10.052	-64 07 55.35		-0.0032	+0.008	2.760	1	2.540	1	1.540	1	09.5V		251083		
1099	IOT CAR	09 15 45.109	-59 03 53.69		-0.0025	+0.005	2.250	1	2.430	1	2.590	1	F0I		236808	V?	
1100	UPS- 1 CAR	09 45 51.168	-64 50 22.20		-0.0015	+0.007	3.034	1	3.304	1	3.434	1	A9II		250695	D	35

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
1101	UPS- 2 CAR	09 45 51.775	-64 50 24.79		-0.0013	+0.019	5.914	1	6.184	1	6.314	1	F0		250696	n	36
1102	CHI CAR	07 55 30.426	-52 50 50.75		-0.0037	+0.025	3.470	1	3.290	1	2.640	1	B2IV		235635		
1103	OME CAR	10 12 33.047	-69 47 21.35		-0.0062	+0.003	3.320	1	3.240	1	2.920	1	B7IV		250885		
1104	1 CAS	23 04 29.489	+59 08 57.60		+0.0010	+0.006	4.86	2	4.83	2	3.96	2	B0.5IV		35147		
1105	2 CAS	23 07 35.234	+59 03 41.17		-0.0006	+0.014	5.77		6.100				DA9		35186	D	
1106	4 CAS	23 22 36.330	+62 00 29.34		+0.0013	-0.006	5.08						M1III		20614		
1107	6 CAS	23 46 23.239	+61 56 11.81		-0.0008	+0.005	5.42	2	6.08	2	6.06	2	A3IA		20869	DV?	
1108	9 CAS	00 01 38.273	+62 00 34.13		-0.0007	+0.012	5.89		6.160				A0III		10954		
1109	10 CAS	00 03 49.656	+63 55 04.66		+0.0014	+0.005	5.44		5.420				B8		10978		
1110	12 CAS	00 22 00.992	+61 33 15.31		+0.0016	+0.005	5.36		5.370				B8		11172		
1111	13 CAS	00 28 31.443	+66 14 37.43		+0.0039	+0.000	6.11						B5		11243		
1112	16 CAS	00 31 28.807	+66 28 29.78		+0.0036	+0.006	6.37		6.290				B9		11265		
1113	23 CAS	00 44 23.326	+74 34 29.87		+0.0041	-0.002	5.41		5.330				B8		4226		
1114	31 CAS	01 07 14.623	+68 30 47.88		+0.0068	-0.017	5.30						A0		11612	DV?	
1115	35 CAS	01 17 43.398	+64 23 48.68		+0.0089	-0.013	6.30						A0		11712	DV?	
1116	38 CAS	01 27 28.374	+70 00 29.68		+0.0271	-0.070	5.87						DF6		4422		
1117	40 CAS	01 34 28.470	+72 47 10.46		-0.0024	-0.009	5.41						G8II-III		4453	DV?	
1118	42 CAS	01 39 00.923	+70 22 15.78		+0.0156	-0.006	5.23						A0		4470	V?	
1119	43 CAS	01 38 36.402	+67 47 28.24		+0.0095	-0.003	5.59		5.510				A P		11919	D	
1120	44 CAS	01 39 55.363	+60 18 00.24		+0.0012	-0.014	5.78		5.770				B9		11941	D	
1121	47 CAS	02 00 02.232	+77 02 33.44		+0.0366	-0.052	5.28						A2N		4562		
1122	49 CAS	02 00 40.706	+75 52 34.67		-0.0052	-0.015	5.17						G8III		4565	D	
1123	50 CAS	01 59 07.151	+72 10 50.83		-0.0092	-0.029	3.980	1	3.970	1	4.010	1	A1V		4560		
1124	51 CAS	02 01 25.450	+74 20 41.10		-0.0006	-0.011	7.50	4					A0	4	4570		
1125	52 CAS	01 59 07.482	+64 39 40.51		-0.0000	-0.009	5.87						A2		12095		
1126	53 CAS	01 59 16.588	+64 08 58.98		+0.0009	+0.001	5.58	2	5.96	2	5.69	2	B8IB		12097		
1127	54 CAS	02 04 46.640	+71 19 06.97		+0.0644	-0.233	6.74	4					F8	4	4588		
1128	55 CAS	02 10 31.757	+66 17 29.32		-0.0010	+0.001	6.08						DF2+A2	4	12180	V?	
1129	48 A CAS	01 57 48.527	+70 39 57.27		-0.0131	+0.010	4.54	2	4.70	2	4.76	2	A4V		4554	D	
1130	A R CAS	23 55 51.685	+51 06 36.38		+0.0083	+0.014	4.8						GM7E		35938	DV	
1131	S T CAS	01 15 57.715	+72 20 55.56		+0.0001	-0.015	7.2	4					SE	4	4374	V	
1132	T CAS	00 20 31.209	+55 30 56.21		+0.0057	-0.003	6.7	4					M7E	4	21343	V	
1133	AA CAS	01 16 18.635	+56 04 00.68		+0.0008	+0.008	8.2	6					M2	6	22182	V	
1134	AO CAS	00 15 03.347	+51 09 19.80		-0.0007	+0.001	5.90	2	5.93	2	4.92	2	O9III		21273	V	
1135	AR CAS	23 27 42.774	+58 16 23.29		+0.0024	+0.010	4.94	2	4.82	2	4.18	2	B3V		35478	DV	
1136	BM CAS	00 51 40.707	+63 48 50.47		-0.0025	+0.015	9.0	6							11461	V	
1137	CC CAS	03 10 07.408	+59 22 38.48		+0.0001	+0.004	7.09	4					B5	4	23886	V	
1138	DL CAS	00 27 10.374	+59 56 09.16		-0.0008	+0.011	8.6	6	9.640	7			G5	6	21446	V	
1139	DO CAS	02 37 34.524	+60 20 22.97		+0.0025	-0.007	8.6	6					A2	6	12388	V	
1140	FM CAS	00 11 48.761	+55 58 30.44		-0.0008	+0.004	8.9	6	9.750	7			G0	6	21233	V	
1141	HS CAS	01 05 07.806	+63 19 11.35		+0.0004	-0.021	8.9	6							11591	V	
1142	IM CAS	01 28 37.780	+62 04 19.60		-0.0042	+0.016	7.8	6							11802	V	
1143	PV CAS	23 07 53.426	+58 55 49.26		-0.0000	+0.011	9.4	6					B8	6	35189	V	
1144	32 RU CAS	01 08 24.582	+64 45 12.98		+0.0039	-0.010	5.49		5.390				B8		11617	V	
1145	RX CAS	03 03 15.350	+67 23 07.56		-0.0018	-0.000	8.8	6							12609	V	
1146	RZ CAS	02 44 22.774	+69 25 32.93		+0.0005	+0.037	6.3						A2		12445	V	
1147	SU CAS	02 47 28.879	+68 40 59.22		+0.0009	-0.007	6.0		6.620	7			F5I-II		12472	V	
1148	SV CAS	23 36 35.977	+51 59 07.63		+0.0003	-0.001	6.7	4					M5	4	35640	V	
1149	SX CAS	00 08 04.443	+54 36 48.35		+0.0012	+0.004	8.9	6					A7	6	21169	V	
1150	TU CAS	00 23 36.678	+51 00 13.47		-0.0005	+0.001	8.3	6	8.600	7			F2	6	21398	V	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1151	TV CAS	00 16 36.002	+58 51 42.03		+0.0027	+0.008	7.7	6					B9	6	21296	V	
1152	TW CAS	02 41 44.362	+65 30 59.47		+0.0034	+0.019	8.2	6					B8	6	12431	V	
1153	TX CAS	02 48 14.883	+62 34 39.72		-0.0038	+0.006	9.0	6							12477	V	
1154	TZ CAS	23 50 26.800	+60 43 27.64		-0.0034	+0.013	9.0	6							20912	V	
1155	VY CAS	00 48 24.222	+62 38 57.16		-0.0116	+0.014	9.1	6					MB	6	11434	V	
1156	WZ CAS	23 58 41.893	+60 04 37.42		-0.0005	+0.002	6.9	4					NA	4	21002	V	
1157	XZ CAS	01 19 40.653	+60 54 55.88		-0.0011	+0.040	9.0	6							11727	V	
1158	YY CAS	03 05 56.365	+65 33 10.61		-0.0025	+0.041	8.7	6							12631	V	
1159	21 YZ CAS	00 42 18.429	+74 42 54.68		-0.0043	-0.019	5.57	6					A2-A3		4216	DV	
1160	V 365 CAS	00 57 53.527	+56 20 36.93		+0.0009	+0.020	8.9	6					M5	6	21917	V	
1161	V 368 CAS	03 08 36.850	+59 43 55.83		-0.0006	+0.003	8.5	6					B8	6	23874	V	
1162	V 373 CAS	23 53 02.612	+57 08 02.01		-0.0011	+0.002	6.00	2	6.22	2	5.50	2	B0.5III	6	35899	V	
1163	V 379 CAS	00 23 49.123	+60 31 17.58		-0.0007	+0.008	8.8	6					F8	6	11197	V	
1164	V 391 CAS	01 52 29.590	+69 57 34.28		-0.0004	+0.006	8.0	6					K5	6	12043	V	
1165	V 393 CAS	01 58 27.104	+71 03 26.10		+0.0082	+0.031	7.6	6					MA	6	4557	V	
1166	V 396 CAS	23 11 23.070	+56 27 56.72		-0.0011	-0.001	9.2	6					A0	6	35242	V	
1167	V 403 CAS	23 35 13.911	+54 34 13.43		+0.0003	+0.011	9.0	6					G5	6	35610	V	
1168	V 436 CAS	23 30 26.804	+57 37 45.85		+0.0015	-0.001	7.6	6	7.880	7			A0	6	35532	V	
1169	V 446 CAS	00 33 19.326	+62 24 41.17		+0.0005	-0.010	8.5	6					MA	6	11284	V	
1170	V 451 CAS	00 49 21.250	+59 27 14.92		+0.0002	+0.004	8.3	6					M2	6	21786	V	
1171	V 465 CAS	01 15 05.608	+57 32 25.30		+0.0013	+0.012	6.8	4					M5	7	22165	V	
1172	V 482 CAS	02 36 53.748	+61 04 06.36		+0.0015	+0.028	7.8	6					O9.5III	7	12383	DV	
1173	V 486 CAS	00 39 48.829	+52 03 47.54		-0.0010	-0.010	6.93	4					B3	6	21646	V	
1174	V 487 CAS	01 03 47.895	+63 30 22.84		-0.0034	+0.016	8.4	6	9.93	7			G0IAB	7	11581	V	
1175	V 509 CAS	22 57 58.197	+56 40 37.16		-0.0006	+0.011	5.13	2	6.68	2	8.01	2	G0IAP		35039	V	
1176	18 ALP CAS	00 37 39.313	+56 15 48.60		+0.0064	-0.027	2.230	1	3.400	1	4.520	1	K0II-III		21609	DV	
1177	11 BET CAS	00 06 29.735	+58 52 26.77		+0.0679	-0.177	2.270	1	2.610	1	2.730	1	F2IV		21133	DV	
1178	27 GAM CAS	00 53 40.324	+60 26 47.38		+0.0034	-0.000	2.390	1	2.290	1	1.180	1	B0IV?E		11482	DV	
1179	37 DEL CAS	01 22 31.498	+59 58 34.35		+0.0400	-0.045	2.680	1	2.810	1	2.940	1	A5V		22268	V	
1180	45 EPS CAS	01 50 46.378	+63 25 29.89		+0.0049	-0.015	3.380	1	3.230	1	2.610	1	B3IV?P		12031	V?	
1181	17 ZET CAS	00 34 10.333	+53 37 19.42		+0.0021	-0.005	3.660	1	3.470	1	2.580	1	B2V		21566	V?	
1182	24 ETA CAS	00 46 03.645	+57 33 03.15		+0.1368	-0.521	3.440	1	4.020	1	4.040	1	G0V		21732	D	
1183	33 THE CAS	01 08 02.554	+54 53 04.32		+0.0265	-0.017	4.34	2	4.51	2	4.64	2	A7V		22070	V?	
1184	IOT CAS	02 24 54.856	+67 10 45.26		-0.0025	+0.016	4.53	2	4.66	2	4.72	2	A P		12298	DV	
1185	15 KAP CAS	00 30 08.341	+62 39 22.13		+0.0002	+0.003	4.16	2	4.30	2	3.50	2	B1IA		11256	V?	
1186	14 LAM CAS	00 29 00.062	+54 14 47.51		+0.0050	-0.005	4.73	2	4.63	2	4.27	2	B8		21489	D	
1187	30 MU CAS	01 04 55.686	+54 40 32.96		+0.3947	-1.575	5.18	2	5.87	2	5.96	2	G5VP		22024	V?	
1188	25 NU CAS	00 45 59.270	+50 41 45.47		+0.0036	-0.001	5.00	2	4.890				B9		21729	V?	
1189	19 XI CAS	00 39 15.820	+50 14 19.11		+0.0014	-0.001	4.81	2	4.71	2	4.05	2	B2V		21637	V?	
1190	22 OMI CAS	00 41 55.654	+48 00 40.00		+0.0019	-0.003	4.50	2	4.44	2	3.91	2	B2V		36620	D	
1191	20 PI CAS	00 40 41.422	+46 45 05.30		-0.0021	-0.029	4.99						A5		36602	V?	
1192	7 RHO CAS	23 51 52.422	+57 13 16.52		-0.0004	+0.005	4.59	2	5.85	2	7.00	2	F8IAP		35879	V	
1193	8 SIG CAS	23 56 27.677	+55 28 35.99		+0.0009	+0.001	4.88	2	4.82	2	3.99	2	B1V		35947	D	
1194	5 TAU CAS	23 44 36.094	+58 22 24.18		+0.0079	+0.059	4.94						K1III		35763		
1195	26 UPS- 1 CAS	00 52 01.012	+58 42 09.02		-0.0042	-0.038	4.84	2	6.06	2	7.32	2	K2II		21832	D	
1196	28 UPS- 2 CAS	00 53 40.100	+58 54 41.01		-0.0119	-0.041	4.64	2	5.60	2	6.30	2	G8III-IV		21855		
1197	34 PHI CAS	01 16 55.101	+57 58 10.08		+0.0000	+0.003	4.99	2	5.67	2	6.16	2	F0IA		22191	D	
1198	39 CHI CAS	01 30 38.663	+58 58 34.67		-0.0048	-0.016	4.72	2	5.72	2	6.48	2	G8III		22397		
1199	36 PSI CAS	01 22 22.244	+67 52 11.60		+0.0135	+0.032	4.74	2	5.78	2	6.71	2	K0III		11751	D	
1200	46 OME CAS	01 52 04.895	+68 26 26.88		+0.0020	-0.008	4.99		4.900				B8		12038	V?	

TABLE 3 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
1201	1 CEN	13 42 50.314	-32 47 29.86		-0.0365	-0.150	4.23	2	4.61	2	4.61	2	F2III		204812		
1202	A CEN	11 32 22.851	-53 59 15.82		-0.0067	+0.015	4.620	1	4.545	1	4.345	1	B9V		209189		
1203	-A CEN	14 19 56.795	-39 17 04.67		-0.0025	-0.036	4.420	1	4.240	1	3.500	1	B3V		205497	V	
1204	B CEN	11 48 38.202	-44 53 42.92		-0.0077	-0.018	4.46	2	5.76	2	7.22	2	K4III		223062		
1205	-B CEN	14 38 50.701	-37 34 48.53		-0.0020	-0.036	4.000	1	3.830	1	3.140	1	B3V		205819		
1206	C-1 CEN	11 32 48.107	-47 05 44.65		-0.0090	-0.007	5.71	2	7.37	2			M3III		222887	DV	
1207	C-2 CEN	11 33 29.689	-47 21 51.21		+0.0030	-0.054	5.25	2	5.50	2	5.62	2	F2		222895		
1208	C-3 CEN	11 35 08.091	-47 28 13.95		-0.0074	+0.024	5.44	2	6.68	2			GK2		222917		
1209	-C-1 CEN	14 40 35.437	-34 57 34.58		-0.0054	-0.187	4.05	2	5.40	2	6.93	2	K5III		205871		
1210	-C-2 CEN	14 41 54.660	-34 58 52.58		+0.0002	-0.008	4.92	2	4.93	2	4.90	2	A1		205899		
1211	D CEN	12 11 25.272	-45 26 45.27		-0.0043	+0.003	5.31	2	6.74	2	8.33	2	GM0		223297	D	
1212	E CEN	13 28 08.129	-39 08 59.17		-0.0012	-0.019	3.880	1	5.040	1	6.080	1	G8III		204545	D	
1213	F CEN	12 05 38.779	-48 24 51.00		-0.0027	-0.020	5.34	2	5.34	2	5.30	2	A1V		223235		
1214	G CEN	12 50 16.447	-48 40 17.35		-0.0086	-0.023	4.33	2	5.70	2	7.28	2	GK2		223731		
1215	H CEN	12 16 19.093	-54 51 54.91		-0.0085	-0.021	5.00	2	6.59	2	8.54	2	GM3		239838	D	
1216	I CEN	13 03 22.134	-48 11 44.73		-0.0031	-0.026	4.710	1	4.570	1	4.000	1	B5V		223900	D	
1217	J CEN	12 23 48.957	-51 10 25.51		-0.0047	-0.020	4.820	1	4.680	1	4.070	1	B4IV		239948	D	
1218	K CEN	13 46 32.422	-34 12 06.71		-0.0035	-0.061	4.19	2	5.69	2	7.15	2	GM6		204875		
1219	L CEN	12 54 10.886	-50 55 41.60		-0.0027	-0.019	5.29						B8V		240407		
1220	M-1 CEN	13 50 19.324	-31 41 07.91		+0.0001	-0.003	9.132	1	8.992	1	8.432	1			204943	D	37
1221	M-2 CEN	13 50 19.377	-31 40 53.46		-0.0012	-0.016	4.749	1	4.609	1	4.049	1	B5III		204944	D	38
1222	N-1 CEN	13 19 20.663	-60 42 38.52		-0.0020	-0.018	6.51						B4VN		252283	DV?	
1223	N-2 CEN	13 19 22.932	-60 43 36.67		-0.0046	-0.017	4.525	1	4.395	1	3.805	1	B5V		252284	D	
1224	O CEN	11 47 14.269	-63 30 37.47		-0.0032	-0.002	4.310	1	4.160	1	3.540	1	B3VNE		251602		
1225	P CEN	13 26 20.569	-50 54 24.80		-0.0001	-0.021	5.06	2	5.13	2			A2		240883		
1226	Q-1 CEN	13 48 55.945	-32 44 49.54		-0.0027	-0.042	4.573	2	4.443	2	3.843	2	B5IIIP		204916	D	39
1227	Q-2 CEN	13 48 56.526	-32 44 51.73		-0.0045	-0.031	6.026	2	5.896	2	5.296	2	B8V		204917	D	40
1228	R CEN	12 37 09.597	-39 42 44.92		-0.0044	-0.035	4.64	2	4.56	2	4.16	2	A P		203681		
1229	S CEN	13 43 28.626	-51 10 57.82		+0.0008	-0.036	4.65	2	5.61	2	6.33	2	GG9		241157	DV?	
1230	T CEN	13 20 37.523	-64 16 29.16		+0.0055	-0.032	4.53	2	5.38	2	5.85	2	G5III-IV		252293		
1231	U-1 CEN	13 48 48.655	-52 33 45.85		-0.0058	-0.030	7.72	4					A3	4	241238	D	
1232	U-2 CEN	13 48 50.649	-52 33 52.32		-0.0047	-0.038	5.68						B9VN		241239	D	
1233	V CEN	12 50 39.510	-39 54 26.31		+0.0055	-0.027	4.27	2	4.48	2	4.60	2	A7III		203907		
1234	W CEN	12 47 57.957	-33 43 37.32		-0.0022	-0.023	4.91	2	4.87	2			A0IV		203863		
1235	X-1 CEN	13 38 31.621	-54 18 31.32		-0.0096	-0.055	7.10	4							241075	D	
1236	X-2 CEN	13 38 31.648	-54 18 25.50		-0.0052	-0.050	5.65						B8V		241076	D	
1237	Y CEN	14 12 56.901	-59 40 55.23		-0.0018	-0.022	5.3						M4		241580	DV	
1238	Z CEN	13 14 06.074	-31 14 31.61		+0.0028	-0.055	5.36						K1III		204312		
1239	AA CEN	12 21 52.330	-49 09 46.52		-0.0017	+0.004	8.1	5					R5	5	223414	V	
1240	AB CEN	13 38 53.233	-33 20 41.93		-0.0012	+0.022	5.6						GM0E		204739	V	
1241	AC CEN	12 25 42.451	-38 45 52.42		-0.0025	-0.023	5.60						B8		203508		
1242	AD CEN	14 28 56.912	-56 40 02.43		-0.0027	-0.015	6.40		7.300				F5		241777	V	
1243	AE CEN	14 16 48.924	-56 09 26.52		-0.0017	-0.018	4.33	2	4.45	2			B5II		241641		
1244	AF CEN	12 39 48.700	-48 32 19.34		-0.0129	-0.035	4.66	2	5.76	2	6.77	2	GK1		223614		
1245	AG CEN	14 28 01.653	-29 52 34.48		-0.0012	-0.028	7.7	4					MC	4	182618	V	
1246	AH CEN	13 50 36.899	-35 25 05.26		-0.0065	-0.023	5.64						DF6		204955	D	
1247	AI CEN	13 44 00.957	-36 00 08.70		-0.0010	-0.023	5.15	2	5.13	2			A0		204835	D	
1248	BF CEN	11 33 56.631	-61 11 24.29		-0.0012	+0.016	8.5	7					B8	6	251477	V	
1249	LW CEN	11 35 11.924	-63 04 14.27		+0.0008	+0.015	9.3	7					B1.5V	7	251495	V	
1250	LZ CEN	11 48 04.320	-60 30 56.20		-0.0015	-0.015	8.0	7					B5	6	251606	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1251	MN CEN	11 25 46.872	-61 08 08.31	-0.0008	+0.003	8.6	7						B8	6	251415	V	
1252	RR CEN	14 13 24.877	-57 37 22.09	-0.0083	-0.039	7.2	4						F2	4	241587	V	
1253	RT CEN	13 45 24.857	-36 36 50.02	+0.0020	-0.049	8.1	7								204857	V	
1254	RU CEN	12 06 47.574	-45 08 53.09	-0.0018	-0.012	9.2	7						G0	6	223245	V	
1255	SW CEN	12 15 08.087	-49 27 23.38	+0.0001	-0.008	10.0	7						A0	6	223337	V	
1256	SX CEN	12 18 32.228	-48 56 01.93	-0.0020	+0.012	9.6	7						F5	6	223370	V	
1257	SZ CEN	13 47 11.751	-58 15 05.22	-0.0020	-0.049	8.3	7						A2	6	241215	V	
1258	TU CEN	14 31 01.988	-31 28 30.48	-0.0036	-0.008	10.6	7						MD	6	205701	V	
1259	UY CEN	13 13 37.025	-44 26 26.26	-0.0004	+0.008	7.1	4						K5P	4	224021	V	
1260	UZ CEN	11 38 36.210	-62 24 54.23	-0.0007	+0.002	8.87	7	9.480	7				G5	6	251537	V	
1261	VZ CEN	11 49 59.812	-61 14 45.11	+0.0019	+0.011	8.5	7						B0	6	251619	V	
1262	XX CEN	13 37 01.128	-57 21 37.54	-0.0013	-0.025	6.6	4	7.330	7				G5	4	241049	V	
1263	XZ CEN	12 21 33.478	-35 21 23.45	-0.0008	-0.035	7.8	7						MC	6	203430	V	
1264	YZ CEN	12 51 22.423	-43 36 39.45	+0.0021	-0.014	8.0	6						K0	6	223741	V	
1265	V 369 CEN	12 12 20.410	-54 32 32.35	-0.0025	-0.027	9.1	7						MB	6	239789	V	
1266	V 377 CEN	12 54 25.854	-47 47 23.97	+0.0001	-0.002	9.0	6						A0	6	223785	V	
1267	V 379 CEN	13 22 06.824	-59 31 16.73	-0.0015	-0.017	8.8	7						B9	6	240822	V	
1268	V 380 CEN	13 24 04.276	-61 36 52.53	-0.0024	+0.006	9.7	7						B8	6	252311	V	
1269	V 381 CEN	13 47 22.494	-57 19 58.44	-0.0039	+0.006	7.88	7	8.500	7				G5P	6	241219	V	
1270	V 396 CEN	13 14 11.453	-61 19 13.93	-0.0010	-0.014	10.0	7						MB	6	252241	V	
1271	V 402 CEN	13 25 00.120	-63 19 30.17	-0.0006	-0.034	9.8	7						A0	6	252319	V	
1272	V 412 CEN	13 54 03.480	-57 28 02.46	+0.0001	-0.005	8.5	7						MB	6	241324	V	
1273	V 413 CEN	14 01 10.550	-58 39 10.47	-0.0020	-0.007	10.1	7						A0	6	241417	V	
1274	V 418 CEN	14 17 26.160	-64 00 46.81	+0.0008	-0.001	8.7	7	9.340	7				K5	6	252712	V	
1275	V 419 CEN	11 28 34.171	-56 37 22.09	-0.0008	+0.013	8.65	7						K0	6	239133	V	
1276	V 434 CEN	11 09 40.276	-35 53 28.90	-0.0060	-0.044	8.9	6						K5	6	202194	V	
1277	V 449 CEN	12 35 38.462	-35 29 59.40	-0.0032	+0.007	11.0	7						G8	6	203655	V	
1278	V 553 CEN	14 43 32.248	-31 57 41.97	+0.0002	-0.019	8.7	7						K0	6	205930	V	
1279	V 602 CEN	12 56 58.190	-58 14 43.49	-0.0039	-0.005	10.	7						B8	6	240459	V	
1280	V 603 CEN	13 02 03.694	-35 19 22.41	-0.0003	-0.014	11.	7						K0	6	204103	V	
1281	V 606 CEN	13 18 22.400	-60 15 32.93	-0.0024	+0.010	9.7	6						B	6	252281	V	
1282	V 636 CEN	14 13 40.211	-49 42 49.03	-0.0028	-0.043	8.8	6						G0	6	224812	V	
1283	V 644 CEN	11 40 42.230	-60 27 23.96	+0.0008	+0.024	9.5	7						B3	6	251552	V	
1284	V 646 CEN	11 34 34.432	-52 55 59.21	-0.0006	-0.009	8.8	6						B9	6	239223	V	
1285	V 659 CEN	13 28 12.830	-61 19 29.68	+0.0005	+0.004	6.6	6						F8	6	252342	V	
1286	V 685 CEN	11 22 09.703	-57 27 10.70	-0.0002	+0.005	8.7	6						A0	6	239043	V	
1287	V 701 CEN	13 28 31.522	-51 30 52.19	-0.0026	-0.034	8.7	6						A0	6	240918	V	
1288	V 716 CEN	14 10 15.197	-54 23 31.02	-0.0018	-0.018	6.11	2	6.16	2				B9	6	241552	V	
1289	V 737 CEN	14 33 19.858	-61 47 37.97	+0.0010	-0.009	7.0	6						G5	6	252822	V	
1290	V 742 CEN	11 25 02.654	-41 14 19.85	+0.0001	-0.015	9.0	6						B9	6	222805	V	
1291	V 743 CEN	13 25 17.716	-51 01 58.53	+0.0006	-0.055	8.7	6						A5	6	240869	V	
1292	V 744 CEN	13 36 53.546	-49 41 49.67	-0.0116	+0.008	5.62							GM7		224317	V	
1293	V 752 CEN	11 40 18.375	-35 32 17.06	-0.0065	-0.014	9.11	5						G0	6	202729	V	
1294	V 757 CEN	13 48 59.555	-36 22 33.14	-0.0098	-0.072	8.5	6						G5	6	204919	V	
1295	V 758 CEN	13 49 24.087	-55 17 40.36	+0.0004	-0.003	9.5	6						B9	6	241248	V	
1296	V 759 CEN	14 07 28.904	-47 31 59.90	-0.0067	-0.016	7.73	4						F8	6	224743	V	
1297	V 761 CEN	= -A CEN															
1298	V 763 CEN	= C-1 CEN															
1299	V 764 CEN	13 33 16.917	-33 13 26.73	-0.0005	-0.014	9.1	6	10.28	7	11.37	7		K5	6	204640	V	
1300	V 765 CEN	13 36 44.100	-39 29 40.06	-0.0019	-0.029	6.36		8.02	7				M4		204708	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1301	V 766 CEN	13 43 40.199	-62 20 25.12		-0.0023	-0.016	6.41	2	8.25	2			G8IA+P	7	252448	DV	
1302	V 767 CEN	13 50 49.586	-46 52 56.54		-0.0037	-0.004	5.94		5.81	7			B2IIIE	7	224514	OV	
1303	V 768 CEN	14 45 31.360	-36 25 35.19		-0.0012	-0.052	6.12		7.62	7	8.90	7	GM3	7	205966	V	
1304	ALP CEN	14 36 11.253	-60 37 48.84	C	-0.4904	+0.712	-2.80	1	0.440	1	0.770	1	G2V+DK1		252838	D	
1305	BET CEN	14 00 16.510	-60 07 58.09		-0.0027	-0.023	.620	1	0.380	1	-0.620	1	B1II		252582	D	
1306	GAM CEN	12 38 44.898	-48 41 07.32		-0.0192	-0.008	2.170	1	2.160	1	2.150	1	A0III		223603	D	
1307	DEL CEN	12 05 45.446	-50 26 38.33		-0.0034	-0.012	2.65	1	2.560	1	1.750	1	B2IVNE		2396A9	DV	
1308	EPS CEN	13 36 42.322	-53 12 46.33		-0.0025	-0.017	2.300	1	2.080	1	1.160	1	B1V		241047	D	
1309	ZET CEN	13 52 24.510	-47 02 34.86		-0.0056	-0.044	2.550	1	2.330	1	1.420	1	B2IV		224548		
1310	ETA CEN	14 32 19.306	-41 56 21.77		-0.0032	-0.035	2.310	1	2.120	1	1.300	1	B1.5V?NE		225044	DV?	
1311	5 THE CEN	14 03 43.877	-36 07 29.64		-0.0429	-0.523	2.060	1	3.050	1	3.950	1	K0III-IV		205188		
1312	IOT CEN	13 17 46.683	-36 26 56.86		-0.0282	-0.089	2.730	1	2.760	1	2.770	1	A2V		204371		
1313	KAP CEN	14 55 53.910	-41 54 17.68		-0.0017	-0.027	3.130	1	2.930	1	2.150	1	B2V		225344	D	
1314	LAM CEN	11 33 27.827	-62 44 34.60		-0.0057	-0.008	3.130	1	3.090	1	2.910	1	B9II		251472	D	
1315	MU CEN	13 46 35.658	-42 13 31.64		-0.0020	-0.026	2.940	1	2.780	1	2.040	1	B2V?PNE		224471	DV	
1316	NU CEN	13 46 29.738	-41 26 21.60		-0.0021	-0.025	3.410	1	3.190	1	2.340	1	B2IV		224469	V?	
1317	XI - 1 CEN	13 00 38.852	-49 15 31.85		-0.0061	-0.017	4.850	1	4.870	1	4.850	1	A0V		223870		
1318	XI - 2 CEN	13 03 58.753	-49 38 19.89		-0.0030	-0.012	4.270	1	4.080	1	3.320	1	B2V		223909	D	
1319	OMI - 1 CEN	11 29 26.836	-59 09 57.55		-0.0003	-0.009	5.13	2	6.21	2	6.98	2	G0IA		239145	DV	
1320	OMI - 2 CEN	11 29 29.486	-59 14 22.23		-0.0023	-0.002	5.14	2	5.63	2	5.52	2	A2IA		239146		
1321	PI CEN	11 18 43.151	-54 13 00.27		-0.0035	-0.006	3.890	1	3.735	1	3.145	1	B5VN		238986	D	
1322	RHO CEN	12 09 01.684	-52 05 24.55		-0.0038	-0.019	3.960	1	3.810	1	3.200	1	B4V		239737		
1323	SIG CEN	12 25 19.525	-49 57 14.18		-0.0029	-0.022	3.910	1	3.720	1	2.950	1	B2V		223454		
1324	TAU CEN	12 34 57.448	-48 15 58.29		-0.0186	-0.008	3.860	1	3.910	1	3.940	1	A2V		223560		
1325	UPS - 1 CEN	13 55 34.794	-44 33 37.41		-0.0024	-0.024	3.870	1	3.670	1	2.870	1	B2V		224585		
1326	UPS - 2 CEN	13 58 35.630	-45 21 43.76		+0.0001	-0.023	4.34	2	4.94	2	5.22	2	F7I-II		224621		
1327	PHI CEN	13 55 13.278	-41 51 26.57		-0.0023	-0.025	3.830	1	3.620	1	2.790	1	B2IV		224577	V?	
1328	CHI CEN	14 02 59.020	-40 56 27.53		-0.0017	-0.024	4.360	1	4.170	1	3.400	1	B3V		224673		
1329	PSI CEN	14 17 30.393	-37 39 23.06		-0.0057	-0.016	4.05	2	4.02	2	3.91	2	A0IV		205453	D	
1330	4 CEP	20 42 33.850	+66 28 31.53		+0.0037	+0.039	5.53						A5		19004		
1331	6 CEP	21 18 20.062	+64 39 33.93		+0.0006	+0.007	5.14		5.120				B3VE		19313		
1332	7 CEP	21 26 48.310	+66 35 26.39		-0.0028	-0.015	5.40						B7		19432		
1333	9 CEP	21 36 34.670	+61 51 21.32		-0.0005	+0.001	4.73	2	5.03	2	4.49	2	B2IB		19541		
1334	11 CEP	21 41 11.735	+71 04 51.73		+0.0238	+0.005	4.57	2	5.67	2	6.76	2	K0III		10126		
1335	12 CEP	21 45 56.671	+60 27 36.67		-0.0014	+0.005	5.44						GM1		19642		
1336	13 CEP	21 53 12.082	+56 22 26.13		-0.0010	+0.001	5.80	2	6.52	2	6.50	2	B8IB		33864	V?	
1337	15 CEP	22 02 15.929	+59 34 18.15		+0.0001	+0.004	6.74	4					B5	4	34016	D	
1338	16 CEP	21 58 32.543	+72 56 30.37		-0.0162	-0.154	5.06						F5V		10216		
1339	19 CEP	22 03 36.232	+62 02 10.44		+0.0001	+0.005	5.11	2	5.19	2	4.36	2	09.5IB		19849	D	
1340	20 CEP	22 03 29.142	+62 32 28.68		+0.0020	+0.063	5.22						K4III		19847		
1341	24 CEP	22 08 51.004	+72 05 41.00		+0.0067	+0.010	4.79	2	5.71	2	6.32	2	G8III		10265		
1342	25 CEP	22 16 34.602	+62 33 12.12		+0.0064	+0.020	5.78						K3III		19991		
1343	26 CEP	22 25 28.567	+64 52 37.17		+0.0002	+0.003	5.46	2	5.83	2	5.24	2	B0.5IB		20075		
1344	28 CEP	22 26 21.111	+78 31 51.25		-0.0056	-0.037	5.77						A2		10375		
1345	30 CEP	22 36 52.249	+63 19 27.05		-0.0007	-0.020	5.15						A2		20190		
1346	31 CEP	22 34 31.982	+73 23 00.37		+0.0397	+0.030	5.18						F4III		10425		
1347	44 CEP	01 07 52.324	+79 24 31.20		+0.0336	+0.003	5.62						A0		4341		
1348	47 CEP	02 59 21.230	+79 13 26.34		-0.0129	+0.012	5.46						M1III?		4810	D	
1349	48 CEP	03 13 53.961	+77 33 14.61		+0.0201	-0.055	5.45	2	5.64	2	5.75	2	A4N		4875	DV?	
1350	R CEP	19 09 23.858	+88 56 21.52		+0.3046	+0.115	8.4	6					G5	6	3170	V	41

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
1351	S	CEP	21 35 52.650	+78 23 58.72	+0.0011	+0.007	7.0	4					N8E	4	10100	V	
1352	T	CEP	21 08 52.870	+68 17 11.85	-0.0063	-0.062	5.2						GM7E		19229	V	
1353	U	CEP	00 57 44.916	+81 36 24.59	+0.0113	+0.002	6.8	4					A0	4	168	V	
1354	V	CEP	23 54 03.935	+82 54 46.25	+0.0258	+0.017	6.42						A2		3994	V	
1355	W	CEP	22 34 32.712	+58 09 59.87	-0.0017	+0.019	6.9	4					PEC	4	34614	V	
1356	AD	CEP	00 27 47.655	+82 19 08.88	-0.0002	-0.014	9.5	6							43	V	
1357	AH	CEP	22 46 03.999	+64 47 52.62	+0.0003	+0.007	6.83	4					B3	4	20247	V	
1358	AI	CEP	21 44 45.352	+56 41 07.60	-0.0011	+0.006	8.9	6					B0	6	33744	V	
1359	AN	CEP	23 17 12.446	+82 44 13.75	+0.0019	-0.001	9.2	6							3887	V	
1360	AR	CEP	22 52 38.324	+84 46 48.96	+0.0216	+0.018	7.60	4					MB	4	3809	V	
1361	CQ	CEP	22 34 56.777	+56 38 45.76	+0.0001	+0.003	8.6	6					W5	6	34622	V	
1362	CR	CEP	22 44 26.990	+59 10 43.23	-0.0020	+0.018	9.0	6	10.340	7			G0	6	34795	V	
1363	CW	CEP	23 02 01.053	+63 07 37.43	-0.0001	-0.008	7.7	5	8.110	7			B5	5	20401	V	
1364	DH	CEP	22 44 54.250	+57 49 13.41	+0.0006	-0.001	8.6	6					B2	6	34810	V	
1365	DM	CEP	22 07 23.162	+72 31 23.96	-0.0049	+0.020	7.5	6					MB	6	10258	V	
1366	DQ	CEP	20 56 23.992	+55 17 34.90	+0.0023	+0.021	7.31	4					F0	4	33026	V	
1367	EG	CEP	20 17 17.004	+76 39 10.56	+0.0090	+0.033	9.2	6					A3	6	9710	V	
1368	EI	CEP	21 28 42.578	+76 11 02.27	-0.0012	-0.008	7.7	6					F0	6	10061	V	
1369	EK	CEP	21 40 29.824	+69 27 50.02	+0.0015	-0.015	7.4	6					A0	6	19585	V	
1370	EM	CEP	21 52 21.842	+62 22 40.46	-0.0010	+0.017	7.10	4					B3	4	19718	DV	
1371	FF	CEP	08 13 25.809	+85 16 37.20	-0.0011	-0.008	9.5	6					M5	6	1316	V	
1372	FZ	CEP	21 18 11.289	+55 14 14.89	+0.0008	-0.009	7.2	6					MB	6	33329	V	
1373	GK	CEP	21 30 21.005	+70 36 07.01	+0.0015	+0.004	6.9	6					A0	6	10069	V	
1374	GP	CEP	22 16 54.541	+55 52 30.02	-0.0006	+0.001	8.5	6					W5	6	34301	V	
1375	GQ	CEP	22 38 18.943	+75 23 47.32	+0.0114	-0.001	8.2	6					A0P	6	10449	V	
1376	GT	CEP	22 55 59.129	+68 08 22.19	-0.0012	+0.012	8.1	6					B8	6	20345	V	
1377	IR	CEP	21 56 19.493	+60 46 46.43	-0.0017	-0.008	7.96	7	8.86	7			G0	6	19765	V	
1378	KZ	CEP	22 54 33.138	+62 36 04.68	-0.0001	+0.006	7.76	7	8.22	7			B0V	7	20332	V	
1379	14 LZ	CEP	22 00 23.523	+57 45 31.12	-0.0006	+0.004	5.56	2	5.63	2	4.77	2	08.5III+09	7	33990	V	
1380	18 MO	CEP	22 02 22.854	+62 52 34.06	+0.0042	+0.060	5.30		6.86		8.66	7	GM5		19828	V	
1381	MX	CEP	22 50 40.183	+58 32 25.27	+0.0048	+0.013	7.9	6	7.92	7			A2P	7	34915	V	
1382	RU	CEP	01 14 23.693	+84 52 10.07	+0.0082	-0.005	9.0	6							220	V	
1383	RW	CEP	22 21 13.980	+55 42 36.29	-0.0009	+0.014	6.8	4					MA	4	34387	V	
1384	RX	CEP	00 45 54.184	+81 41 42.37	-0.0018	-0.001	7.6	6					G5	6	130	V	
1385	RZ	CEP	22 37 27.923	+64 35 42.60	+0.0093	+0.212	9.3	6	9.720	7					20193	V	
1386	SS	CEP	03 41 32.814	+80 10 05.66	-0.0019	+0.019	6.7	4					MB	4	594	V	
1387	ST	CEP	22 28 16.470	+56 44 38.89	+0.0002	+0.011	8.1	6					M0IB	7	34529	V	
1388	SW	CEP	21 24 32.326	+62 21 24.91	-0.0020	+0.010	8.0	6					MC	6	19401	V	
1389	VV	CEP	21 55 14.453	+63 23 13.52	-0.0004	+0.006	4.90	2	6.65	2	7.03	2	M2IAEP		19753	V	
1390	VW	CEP	20 38 03.009	+75 24 58.37	+0.0899	+0.560	7.1	4					G5	4	9828	V	
1391	WX	CEP	22 29 32.855	+63 15 54.73	+0.0032	-0.017	9.0	6					A0	6	20124	V	
1392	XX	CEP	23 36 00.130	+64 03 26.73	-0.0055	+0.018	8.6	6					A	6	20743	V	
1393	XZ	CEP	22 30 50.545	+66 53 33.88	-0.0009	+0.003	8.0	6							20141	V	
1394	5 ALP	CEP	21 17 23.181	+62 22 23.74	+0.0215	+0.052	2.450	1	2.670	1	2.780	1	A7IV-V		19302	D	
1395	8 BET	CEP	21 28 01.326	+70 20 27.85	+0.0020	+0.013	3.230	1	3.010	1	2.050	1	B2III		10057	DV	
1396	35 GAM	CEP	23 37 16.533	+77 21 11.73	-0.0198	+0.156	3.210	1	4.240	1	5.190	1	K1IV		10818	V?	
1397	27 DEL	CEP	22 27 18.529	+58 09 31.76	+0.0015	+0.005	3.570	1	4.030	1	4.380	1	F5IB		34508	DV	
1398	23 EPS	CEP	22 13 11.199	+56 47 37.39	+0.0541	+0.051	4.19	2	4.47	2	4.51	2	F0IV		34227	V	
1399	21 ZET	CEP	22 09 06.936	+57 57 15.50	+0.0016	+0.008	3.350	1	4.900	1	6.620	1	K1IB		34137	V?	
1400	3 ETA	CEP	20 44 16.488	+61 38 38.85	+0.0128	+0.822	3.430	1	4.350	1	4.960	1	K0IV		19019	D	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATION																				
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1401	2	THE	CEP	20 28 44.678	+62 49 32.32		+0.0060	-0.011	4.22	2	4.42	2	4.58	2	A M			18897		
1402	32	IOT	CEP	22 47 53.604	+65 56 13.80		-0.0109	-0.119	3.530	1	4.580	1	5.480	1	K1III			20268		
1403	1	KAP	CEP	20 10 36.574	+77 33 42.35		+0.0030	+0.027	4.39	2	4.34	2	4.25	2	B9III			9665	D	
1404	22	LAM	CEP	22 09 48.556	+59 10 02.66		+0.0001	-0.006	5.05	2	5.29	2	4.55	2	O6F			34149		
1405		MU	CEP	21 41 58.501	+58 33 00.64		-0.0000	+0.001	4.17	2	6.43	2	8.88	2	M2IA			33693	UV	
1406	10	NU	CEP	21 44 00.269	+60 53 22.50		-0.0005	+0.001	4.29	2	4.81	2	4.94	2	A2IA			19624	V?	
1407	17	XI - 1	CEP	22 02 19.143	+64 23 03.30		+0.0286	+0.090	6.47	4					G	4		19826	D	
1408	17	XI - 2	CEP	22 02 20.440	+64 23 01.68		+0.0320	+0.089	4.29	2	4.63	2	4.72	2	A M			19827	D	
1409	34	OMI	CEP	23 16 33.630	+67 50 16.11		+0.0102	+0.022	4.76	2	5.60	2	6.09	2	K0III			20554	UV?	
1410	33	PI	CEP	23 06 18.007	+75 07 01.55		+0.0031	-0.023	4.42	2	5.24	2	5.69	2	G2III			10629	D	
1411	29	RHO	CEP	22 29 27.436	+78 34 03.35		+0.0000	-0.016	5.52						A2			10402		
1412	1		CET	23 55 46.916	-16 07 32.92		+0.0055	-0.005	6.26	2	7.34	2	8.37	2	GG8			165972		
1413	2		CET	00 01 10.761	-17 36 51.40		+0.0017	-0.004	4.56	2	4.52	2	4.40	2	B9IV			147059		
1414	3		CET	00 01 56.533	-10 47 15.98		-0.0006	-0.007	5.16						K3IB			147066	V?	
1415	4		CET	00 05 10.335	-02 49 37.30		+0.0016	+0.003	6.43	2	6.29	2	5.81	2	A0N			128595		42
1416	5		CET	00 05 38.407	-02 43 33.57		+0.0004	-0.004	6.05	2	7.43	2	8.59	2	GK2			128602		43
1417	9		CET	00 20 18.035	-12 29 14.89		+0.0266	+0.065	6.39	2	7.05	2			DG2			147237		
1418	10		CET	00 24 03.431	-00 19 34.65		+0.0047	+0.004	6.19	2	7.10	2	7.65	2	GG4			128760		
1419	11		CET	00 27 21.267	-01 23 34.33		+0.0102	-0.073	7.52	4					F0	4		128789		
1420	12		CET	00 27 29.160	-04 14 00.17		+0.0005	-0.007	5.72	2	7.28	2	9.18	2	M0III			128791	D	
1421	13		CET	00 32 40.371	-03 52 04.29		+0.0274	-0.021	5.20	2	5.76	2	5.84	2	F8V			128839	UV?	
1422	14		CET	00 32 58.672	-00 46 48.17		+0.0089	-0.058	5.93	2	6.37	2	6.35	2	DF2			128843		
1423	15		CET	00 35 31.026	-00 46 41.55		-0.0032	-0.005	6.92	4					K0	4		128868	D	
1424	18		CET	00 42 57.987	-13 09 04.22		-0.0026	-0.198	6.11						DF8			147432		
1425	20		CET	00 50 27.048	-01 24 55.53		+0.0004	-0.013	4.78	2	6.35	2	8.27	2	M0III			129009		
1426	21		CET	00 51 46.152	-09 00 39.81		+0.0009	-0.048	6.16	2	7.08	2	7.62	2	GG3			129019		
1427	25		CET	01 00 30.712	-05 06 12.94		-0.0075	-0.102	5.44	2	6.55	2	7.59	2	K0III-IV			129094		
1428	26		CET	01 01 14.463	+01 05 57.35		+0.0078	-0.037	6.04	2	6.31	2	6.44	2	DF0			109643	D	
1429	27		CET	01 03 06.491	-10 14 46.80		-0.0026	-0.030	6.12	2	7.13	2	7.98	2	K0III			147601		
1430	28		CET	01 03 34.548	-10 06 24.47		+0.0017	+0.007	5.58	2	5.59	2			A0			147606		
1431	29		CET	01 05 24.795	+01 43 56.14		+0.0089	-0.421	6.69	4					G5	4		109694		
1432	30		CET	01 05 15.286	-10 03 09.23		+0.0100	+0.021	5.87						DF3			147622		
1433	32		CET	01 07 41.405	-09 10 17.16		-0.0012	-0.033	6.40	2	7.44	2	8.31	2	GG6			129154		
1434	33		CET	01 07 59.036	+02 10 48.30		-0.0002	-0.010	5.95	2	7.46	2	9.33	2	GK4			109715	V?	
1435	34		CET	01 09 10.768	-02 30 58.25		-0.0044	-0.021	5.95	2	7.35	2	9.01	2	K4III			129169		
1436	35		CET	01 09 56.655	+02 12 28.45		-0.0118	-0.103	6.82	4					F8	4		109727		
1437	36		CET	01 10 16.599	-07 02 53.29		-0.0040	-0.012	6.93	4					G5	4		129177		
1438	37		CET	01 11 52.826	-08 11 27.96		+0.0082	+0.277	5.13	2	5.59	2	5.54	2	DF2			129193	UV?	
1439	38		CET	01 12 15.861	-01 14 26.93		-0.0011	+0.209	5.70	2	6.12	2	6.10	2	DF5			129196		
1440	39		CET	01 14 03.832	-02 45 46.70		-0.0072	-0.059	5.41	2	6.31	2	6.75	2	GG5			129204		
1441	40		CET	01 14 25.303	-02 32 25.59		+0.0172	-0.131	6.83	4					F8	4		129210		
1442	41		CET	01 15 11.507	-07 55 22.59		+0.0009	+0.022	6.93	4					A2	4		129217		
1443	42		CET	01 17 14.782	-00 46 15.23		+0.0006	-0.009	5.87	2	6.51	2	6.83	2	G8III?			129235	D	
1444	43		CET	01 20 01.216	-00 42 38.06		+0.0013	-0.009	6.49	2	7.57	2	8.58	2	GK0			129262	V?	
1445	44		CET	01 21 31.531	-08 16 01.12		+0.0114	-0.066	6.21	2	6.44	2	6.53	2	A5			129275		
1446	46		CET	01 23 09.632	-14 51 30.18		+0.0024	-0.015	4.90	2	6.13	2			K3III			147803		
1447	47		CET	01 24 23.475	-13 18 57.29		+0.0009	+0.010	5.68						F1V			147812	V?	
1448	48		CET	01 27 12.209	-21 53 14.62		+0.0038	+0.010	5.13	2	5.15	2			A1V			167086	D	
1449	49		CET	01 32 11.169	-15 55 54.75		+0.0063	+0.006	5.64						A2V			147886		
1450	50		CET	01 33 32.584	-15 39 19.02		+0.0009	+0.020	5.48						K2III			147901		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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1451	54	CET	01 48 12.521	+10 47 47.76	-0.0049	-0.022	5.94	2	6.24	2	6.22	2	F0V		92659	V?	41
1452	56	CET	01 54 19.672	-22 46 12.86	+0.0043	-0.020	5.18						GK4		167416		
1453	57	CET	01 57 24.985	-21 04 00.26	+0.0003	+0.023	5.41		7.040				GM1		167466		
1454	58	CET	01 55 26.761	-02 18 09.14	+0.0024	+0.017	6.57	4					A0	4	129588	D	
1455	60	CET	02 00 37.628	-00 06 42.26	+0.0049	+0.021	5.43	2	5.58	2	5.70	2	A3M		129655		
1456	61	CET	02 01 14.429	-00 34 45.10	+0.0050	-0.041	5.93	2	6.81	2	7.31	2	G5II-III		129667	D	
1457	62	CET	02 06 37.162	-02 34 02.60	-0.0071	-0.035	7.07	4					F8	4	129722		
1458	63	CET	02 09 03.342	-02 03 34.63	-0.0007	-0.030	5.93	2	6.90	2	7.60	2	GG9		129739		
1459	64	CET	02 08 42.468	+08 20 11.89	-0.0095	-0.108	5.63	2	6.19	2	6.33	2	DF8		110390		
1460	66	CET	02 10 14.099	-02 37 35.38	+0.0244	-0.064	5.51	2	6.09	2	6.18	2	DF9		129752	D	
1461	67	CET	02 14 29.251	-06 39 05.98	+0.0059	-0.105	5.51	2	6.47	2	7.22	2	G8III		129798		
1462	69	CET	02 19 22.723	+00 10 05.62	-0.0011	-0.003	5.27	2	6.92	2	8.77	2	GM2		110495		
1463	70	CET	02 19 39.354	-01 06 42.00	-0.0018	-0.050	5.42	2	5.73	2	5.83	2	A5		129858		
1464	71	CET	02 22 26.587	-03 00 19.47	-0.0004	-0.003	6.33	2	6.33	2	6.19	2	A0		129888		
1465	75	CET	02 29 36.563	-01 15 17.21	-0.0020	-0.033	5.35	2	6.37	2	7.21	2	GG3		129959		
1466	77	CET	02 32 14.490	-08 04 36.36	+0.0039	-0.062	5.75	2	7.15	2	8.80	2	GK4		129984		
1467	79	CET	02 32 49.378	-03 46 20.13	-0.0103	-0.428	6.78	4					G0	4	129992		
1468	80	CET	02 33 32.231	-08 02 53.22	-0.0026	-0.057	5.53	2	7.12	2	9.05	2	M0III		130004		
1469	81	CET	02 35 10.495	-03 36 41.63	+0.0024	-0.039	5.65	2	6.67	2	7.52	2	GG5		130026		
1470	84	CET	02 38 40.075	-00 54 26.44	+0.0140	-0.131	5.71	2	6.23	2	6.21	2	DF6		130055	D	
1471	85	CET	02 39 47.143	+10 31 46.85	-0.0018	-0.018	6.30	2	6.36	2	6.42	2	A2V		93067	V?	45
1472	93	CET	02 59 45.181	+04 09 24.69	+0.0007	+0.009	5.62	2	5.52	2	5.11	2	B7III		110921		
1473	94	CET	03 10 13.156	-01 22 54.84	+0.0129	-0.063	5.06	2	5.63	2	5.75	2	F8V		130355	D	
1474	95	CET	03 15 48.721	-01 06 39.98	+0.0165	-0.048	5.37	2	6.41	2	7.22	2	K1IV		130408	D	
1475	97	CET	03 18 29.662	+03 29 48.63	+0.0032	-0.022	5.69	2	6.66	2	7.42	2	GG8		111142		
1476	6	-F	00 08 43.198	-15 44 32.63	-0.0056	-0.264	4.89	2	5.38	2			F6V		147133		
1477		R	02 23 28.709	-00 24 10.98	+0.0007	+0.011	7.0	4					M4E	4	129898	V	
1478		S	00 21 30.896	-09 36 16.04	+0.0009	+0.036	7.3	4					M4E	4	128740	V	
1479		T	00 19 14.522	-20 20 06.19	+0.0049	-0.001	5.2						M5-6SE		166210	V	
1480		U	02 31 19.619	-13 22 02.50	+0.0017	-0.024	6.6	4					M3E	4	148467	V	
1481		V	23 55 20.268	-09 14 15.35	+0.0030	-0.061	8.9	4					M3E	4	147001	V	
1482		W	23 59 33.643	-14 57 15.21	-0.0009	-0.016	6.5						S7-3		166005	V	
1483	AA	CET	01 56 40.618	-23 09 44.85	+0.0072	+0.058	7.31	4					F2	6	167451	DV	
1484	AB	CET	02 23 37.625	-15 33 54.37	-0.0044	-0.045	5.83	2	5.97	2	6.06	2	A7P	2	148386	DV	
1485	AC	CET	00 08 25.192	-18 51 01.90	-0.0012	-0.020	7.8	6	9.22	7			M5III	7	147130	V	
1486	AD	CET	00 11 54.170	-08 03 31.02	+0.0037	+0.008	5.12	2	6.74	2	8.55	2	M0III	7	128655	DV	
1487	AE	CET	00 12 06.096	-19 12 34.97	-0.0019	-0.063	4.46	2	6.12	2	8.07	2	GM1		147169	V	
1488	AG	CET	00 25 28.277	-11 56 06.60	+0.0026	-0.011	7.54	4	8.96	7			M3	6	147289	V	
1489	AH	CET	00 35 35.527	-21 41 04.64	-0.0038	-0.016	8.8	6	10.25	7			M2	6	166429	V	
1490	AI	CET	00 39 29.353	-09 55 19.20	-0.0010	-0.019	8.8	6	10.29	7			M3	6	128907	V	
1491	AK	CET	00 58 00.344	-12 27 52.16	+0.0009	-0.043	8.3	6	9.83	7			M3	6	147564	V	
1492	AL	CET	01 06 11.103	-17 19 47.64	-0.0003	-0.001	8.6	6	10.19	7			M1	6	147633	V	
1493	AM	CET	01 08 48.361	-13 46 08.08	+0.0006	-0.001	7.67	4	9.16	7			MB	6	147656	V	
1494	AN	CET	01 11 41.698	-02 26 38.40	+0.0046	+0.000	8.8	6	10.25	7			M4	7	129190	V	
1495	AO	CET	01 17 47.286	-10 00 33.87	+0.0009	+0.032	8.9	6	10.48	7			M2	6	147744	V	
1496	AQ	CET	01 47 23.428	-05 06 25.13	-0.0000	-0.023	8.5	6	9.98	7			MC	6	129519	V	
1497	AR	CET	01 57 57.839	-08 45 54.46	+0.0061	-0.007	5.51	2	7.03	2	8.36	2	GM5		129624	V	
1498	AS	CET	02 15 44.303	-14 21 50.22	+0.0005	+0.041	8.0	6	9.57	7			M2	6	148319	V	
1499	AT	CET	02 39 41.722	-22 49 06.26	+0.0029	-0.023	8.0	6	9.49	7			M5	6	167977	V	
1500	RS	CET	02 25 26.241	-00 00 06.36	-0.0003	-0.013	8.6	6					G5	6	129921	V	

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1501	RT CET	01 14 28.637	-24 06 27.09		-0.0001	+0.013	9.4	6					M2	6	166924	V	
1502	TV CET	03 12 00.317	+02 34 09.84		+0.0009	+0.015	8.4	6					F0	6	111068	V	
1503	TZ CET	02 20 15.782	-10 25 45.81		+0.0011	-0.010	8.7	6					M3	6	148361	V	
1504	UY CET	00 24 33.573	-06 52 52.36		-0.0015	-0.027	9.1	6					MA	6	128767	V	
1505	UZ CET	02 03 38.225	-10 27 02.20		+0.0001	-0.005	8.6	6					M2	6	148198	V	
1506	VZ CET	02 16 56.774	-03 11 42.94		-0.0004	-0.017	9.1	6					M0	6	129828	V	
1507	WY CET	01 33 07.925	-12 11 48.03		-0.0027	-0.027	8.9	6					A2	7	147897	V	
1508	XY CET	02 56 56.971	+03 19 09.34		-0.0003	-0.004	8.6	6					A0	7	110887	V	
1509	XZ CET	01 57 52.603	-16 35 15.23		+0.0032	+0.023	9.2	6					A	7	148149	V	
1510	92 ALP CET	02 59 39.744	+03 53 41.15		-0.0008	-0.074	2.530	1	4.170	1	6.100	1	M2III		110920		
1511	16 BET CET	00 41 04.811	-18 15 38.78		+0.0163	+0.036	2.020	1	3.030	1	3.910	1	K1III		147420	V?	
1512	86 GAM CET	02 40 42.397	+03 01 34.05		-0.0097	-0.148	3.470	1	3.560	1	3.630	1	A2V		110707	D	
1513	82 DEL CET	02 36 54.985	+00 06 50.00		+0.0006	+0.001	4.06	2	3.85	2	2.97	2	B2IV		110665	V	
1514	83 EPS CET	02 37 08.592	-12 05 00.36		+0.0096	-0.234	4.84	2	5.29	2	5.28	2	F5IV-V		148528	D	
1515	55 ZET CET	01 48 59.447	-10 34 52.90		+0.0024	-0.036	3.720	1	4.860	1	5.920	1	K2II		148059	V?	
1516	31 ETA CET	01 06 04.420	-10 26 48.57		+0.0145	-0.133	3.450	1	4.610	1	5.800	1	K3III		147632		
1517	45 THE CET	01 21 31.363	-08 26 27.16		-0.0056	-0.218	3.590	1	4.650	1	5.570	1	K0III		129274	D	
1518	8 IOT CET	00 16 52.784	-09 06 03.44		-0.0013	-0.031	3.550	1	4.770	1	5.940	1	K2III		128694		
1519	96 KAP CET	03 16 44.129	+03 11 17.27		+0.0178	+0.098	4.84	2	5.52	2	5.71	2	G5V		111120	V?	
1520	91 LAM CET	02 57 01.871	+08 42 33.54		+0.0002	-0.010	4.70	2	4.58	2	4.13	2	B5III		110889		
1521	87 MU CET	02 42 14.102	+09 54 15.02		+0.0190	-0.030	4.27	2	4.58	2	4.65	2	F0IV		110723		
1522	78 NU CET	02 33 14.793	+05 22 33.99		-0.0021	-0.021	4.86	2	5.72	2	6.25	2	G8III		110635	D	
1523	65 XI - 1 CET	02 10 20.747	+08 36 47.36		-0.0017	-0.003	4.37	2	5.25	2	5.86	2	G8II		116408		
1524	73 XI - 2 CET	02 25 29.791	+08 14 13.15		+0.0025	-0.004	4.29	2	4.13	2	4.12	2	B9III		110543		
1525	68 OMI CET	02 16 49.045	-03 12 13.39		-0.0008	-0.233	3.040	1	4.460	1	5.550	1	GM6E		129825	DV	46
1526	89 PI CET	02 41 44.470	-14 04 10.17		-0.0008	-0.013	4.25	2	4.11	2	3.66	2	B7V		148575		
1527	72 RHO CET	02 23 31.955	-12 30 54.30		-0.0012	-0.007	4.89	2	4.87	2	4.82	2	B9V		148385		
1528	76 SIG CET	02 29 42.948	-15 27 47.46		-0.0053	-0.117	4.75	2	5.20	2	5.19	2	F5V		148445		
1529	52 TAU CET	01 41 44.660	-16 12 00.50		-0.1194	+0.858	3.500	1	4.220	1	4.430	1	G8VP		147986		
1530	59 UPS CET	01 57 38.911	-21 19 09.71		+0.0094	-0.020	4.010	1	5.570	1	7.460	1	M1III		167471		
1531	17 PHI- 1 CET	00 41 40.021	-10 52 53.49		-0.0009	-0.108	4.75	2	5.75	2	6.59	2	K0III		147423	V?	
1532	19 PHI- 2 CET	00 47 37.288	-10 54 47.65		-0.0156	-0.223	5.20	2	5.70	2	5.69	2	F8V		147470		
1533	22 PHI- 3 CET	00 53 31.022	-11 32 13.09		-0.0017	-0.005	5.31	2	6.83	2			K4III		147519		
1534	23 PHI- 4 CET	00 56 13.583	-11 38 58.40		-0.0026	-0.016	5.79						GG7		147546		
1535	53 CHI CET	01 47 07.649	-10 55 58.88		-0.0103	-0.091	4.68	2	5.00	2	5.03	2	F2IV		148036	D	
1536	S CHA	13 28 50.340	-77 18 35.60		-0.1021	-0.114	7.0						F5		257060	DV	
1537	RS CHA	08 44 58.108	-78 53 15.10		-0.0093	+0.039	6.05	2	6.28	2	6.36	2	A5	7	256549	V	
1538	RZ CHA	10 42 26.855	-81 46 25.97		-0.0056	-0.048	8.3	6					F5	6	258590	V	
1539	ALP CHA	08 19 51.079	-76 45 44.05		+0.0328	+0.108	4.070	1	4.460	1	4.440	1	F6IV		256496		
1540	BET CHA	12 15 22.132	-79 02 04.83		-0.0152	+0.015	4.245	1	4.130	1	3.620	1	B6V		256924		
1541	GAM CHA	10 34 53.647	-78 20 53.72		-0.0130	+0.016	4.110	1	5.690	1	7.530	1	M0III		256731		
1542	DEL- 1 CHA	10 44 48.860	-80 12 19.79		-0.0133	-0.034	5.47	2	6.42	2	7.16	2	GG8		258592	D	
1543	DEL- 2 CHA	10 45 20.164	-80 16 34.91		-0.0211	+0.004	4.450	1	4.265	1	3.565	1	B3V		258593		
1544	EPS CHA	11 57 06.727	-77 56 36.07		-0.0161	-0.005	4.910	1	4.750	1	4.690	1	B9VN		256894	D	
1545	ZET CHA	09 35 25.737	-80 43 01.90		-0.0168	+0.007	5.11	2	4.97	2	4.40	2	B5IV		258538		
1546	ETA CHA	08 43 04.655	-78 46 57.76		-0.0078	+0.021	5.47	2	5.37	2	5.02	2	B9IV		256543		
1547	THE CHA	08 22 10.841	-77 19 26.05		-0.0391	+0.036	4.35	2	5.51	2	6.70	2	K0III-IV		256503	D	
1548	IOT CHA	09 25 53.343	-80 34 17.84		-0.0593	+0.126	5.37	2	5.81	2	5.85	2	GF2		258530		
1549	KAP CHA	12 02 09.732	-76 14 28.66		-0.0211	+0.044	5.04	2	6.53	2	8.31	2	GK3		256899		
1550	MU CHA	10 02 08.751	-81 58 22.94		-0.0162	+0.032	5.53	2	5.56	2	5.61	2	A0		258554		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1551	NU CHA	09 46 21.206	-76 32 34.41		+0.0297	-0.051	5.45	2	6.34	2	6.91	2	K0		256658		
1552	PI CHA	11 35 10.915	-75 37 10.26		-0.0354	-0.001	5.65	2	6.00	2	5.99	2	F2III		256857		
1553	AT CIR	13 59 46.603	-66 29 44.79		-0.0029	-0.082	8.1	6							252577	V	
1554	AV CIR	14 46 09.329	-67 17 27.57		+0.0053	-0.019	7.9	6							252908	V	
1555	AX CIR	14 48 29.863	-63 36 17.79		-0.0025	-0.014	5.78		6.440	7			G3IIB8?		252928	V	
1556	ALP CIR	14 38 26.380	-64 45 32.38		-0.0291	-0.238	3.190	1	3.430	1	3.550	1	F0VP		252853	D	
1557	BET CIR	15 13 34.881	-58 36 58.46		-0.0122	-0.140	4.07	2	4.16	2	4.25	2	A3V		242384		
1558	GAM CIR	15 19 22.622	-59 08 33.15		-0.0014	-0.041	4.51	2	4.70	2	4.35	2	B5+F8		242463	D	
1559	DEL CIR	15 12 52.996	-60 46 24.98		-0.0017	-0.012	5.09	2	5.03	2	4.12	2	O9V		253084	D	
1560	EPS CIR	15 13 24.052	-63 25 39.01		+0.0009	+0.006	4.86	2	6.11	2	7.43	2	GK0		253088		
1561	ZET CIR	14 50 26.710	-65 47 16.84		-0.0022	-0.027	6.09	2	6.03	2	5.43	2	B4V		252951		
1562	ETA CIR	15 00 35.917	-63 50 13.24		+0.0161	-0.001	5.22						G64		253005		
1563	THE CIR	14 52 41.002	-62 34 45.96		-0.0006	-0.004	5.42						B3VNE		252965	D	
1564	T COL	05 17 27.487	-33 45 30.00		+0.0040	+0.034	6.8	4					M5E	4	195748	V	
1565	RV COL	05 33 50.021	-30 51 26.16		+0.0001	-0.009	9.3	7					G5	6	195996	V	
1566	SW COL	05 21 44.874	-39 43 25.77		+0.0011	+0.003	5.71	2	7.33	2			M1III	7	195807	V	
1567	SX COL	06 29 50.933	-36 54 14.85		-0.0007	+0.054	6.31		7.94	7			M1		196906	V	
1568	ALP COL	05 37 50.211	-34 05 58.73		+0.0001	-0.027	2.640	1	2.520	1	2.050	1	B8VE		196059	DV?	
1569	BET COL	05 49 11.727	-35 47 09.73		+0.0041	+0.402	3.120	1	4.280	1	5.490	1	K2III		196240		
1570	GAM COL	05 55 45.769	-35 17 15.18		-0.0003	-0.008	4.36	2	4.18	2	3.52	2	B3IV		196352	D	
1571	DEL COL	06 20 17.078	-33 24 36.07		-0.0024	-0.056	3.850	1	4.730	1	5.250	1	G64		196735		
1572	EPS COL	05 29 26.164	-35 30 22.02		+0.0020	-0.036	3.870	1	5.010	1	6.070	1	GK1		195924		
1573	ETA COL	05 57 36.885	-42 49 01.39		+0.0014	-0.016	3.960	1	5.100	1	6.180	1	K0III		217650		
1574	THE COL	06 05 48.671	-37 14 41.28		-0.0003	+0.000	5.02	2	4.91	2			B9		196514		
1575	KAP COL	06 14 46.278	-35 07 22.03		-0.0011	+0.084	4.37	2	5.37	2	6.20	2	G8III		196643		
1576	LAM COL	05 51 17.867	-33 48 40.70		-0.0008	+0.033	4.870	1	4.720	1	4.160	1	B5V		196276		
1577	NU - 1 COL	05 44 08.324	-32 19 27.47		+0.0003	-0.025	5.17	2	4.89	2			O9.5V		196149		
1578	NU - 2 COL	05 35 17.910	-27 53 57.55		+0.0007	-0.061	5.95						A5		170601		
1579	NU - 2 COL	05 35 47.423	-28 43 06.11		-0.0030	+0.051	5.31	2	5.77	2	5.87	2	DF4		170613		
1580	XI COL	05 53 46.567	-37 07 37.07		+0.0021	-0.026	4.97	2	6.08	2			G68		196316		
1581	OMI COL	05 15 40.780	-34 56 35.08		+0.0068	-0.339	4.83	2	5.83	2	6.62	2	K0IV		195721		
1582	PI - 1 COL	06 05 08.216	-42 17 29.33		-0.0037	+0.003	6.25						A M		217720		
1583	PI - 2 COL	06 06 19.651	-42 08 42.46		-0.0006	-0.014	5.48						A0		217730		
1584	SIG COL	05 54 27.969	-31 23 17.23		-0.0001	+0.008	5.54						F0		196330		
1585	1 COM	11 59 10.718	+22 22 22.19		-0.0028	-0.016	6.58	4					F8	4	82106		
1586	2 COM	12 01 43.065	+21 44 15.35		+0.0026	-0.009	5.70						F M		82123	D	
1587	3 COM	12 07 58.743	+17 05 14.50		-0.0014	-0.006	6.30		6.360				A2V		99973		
1588	4 COM	12 09 19.044	+26 08 55.60		-0.0034	-0.032	5.63						GK4		82178		
1589	5 COM	12 09 36.779	+20 49 12.97		-0.0013	-0.027	5.56						G68		82182		
1590	6 COM	12 13 27.855	+15 10 38.40		-0.0058	-0.032	5.08		5.130				A2V		100012		
1591	7 COM	12 13 48.840	+24 13 23.62		-0.0022	-0.012	4.88						K0III		82211		
1592	8 COM	12 16 47.697	+23 18 44.13		-0.0016	-0.016	6.27	2	6.44	2	6.58	2	A M		82239		
1593	9 COM	12 16 59.435	+28 26 09.98		-0.0150	-0.133	6.20						DF8		82244		
1594	11 COM	12 18 11.480	+18 04 08.27		-0.0079	+0.084	4.74	2	5.75	2	6.54	2	G8III		100053	D	
1595	12 COM	12 19 59.615	+26 07 24.31		-0.0009	-0.014	4.81	2	5.30	2	5.57	2	G0III-IV+A		82273	D	
1596	13 COM	12 21 48.124	+26 22 32.44		-0.0012	-0.015	5.18	2	5.26	2	5.36	2	A3V		82291		
1597	14 COM	12 23 54.154	+27 32 42.06		-0.0011	-0.013	4.95	2	5.22	2	5.40	2	F0P		82310		
1598	16 COM	12 24 29.411	+27 06 08.63		-0.0005	-0.015	5.00	2	5.08	2	5.21	2	A4V		82314		
1599	18 COM	12 26 56.989	+24 23 06.44		-0.0023	-0.005	5.48	2	5.91	2	6.00	2	F5IV		82333		
1600	20 COM	12 27 12.570	+21 10 21.86		+0.0017	-0.038	5.72		5.790				A3V		82336		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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1601	22 COM	12 31 04.736	+24 33 31.51		-0.0013	-0.008	6.29	2	6.40	2	6.49	2	A4V		82378		
1602	23 COM	12 32 21.635	+22 54 15.43		-0.0049	+0.016	4.81	2	4.81	2	4.80	2	A0IV		82390		
1603	24 A COM	12 32 37.306	+18 39 07.37		-0.0004	+0.018	5.18						K2III		100160	D	
1604	24 B COM	12 32 35.872	+18 39 07.84		-0.0002	+0.019	6.72						F1V?		100159	DV?	
1605	25 COM	12 34 27.913	+17 21 53.16		-0.0026	-0.022	5.68						GK5		100176		
1606	26 COM	12 36 38.080	+21 20 14.11		-0.0060	-0.015	5.39						G68		82421		
1607	27 COM	12 44 08.887	+16 51 00.91		+0.0006	+0.002	5.15						K3III		100252		
1608	28 COM	12 45 44.053	+13 49 33.69		-0.0033	-0.033	6.40		6.420				A0V		100269		
1609	29 COM	12 46 23.872	+14 23 42.62		+0.0022	-0.029	5.70	2	5.72	2	5.79	2	A2V		100283		
1610	30 COM	12 46 51.347	+27 49 27.45		-0.0073	+0.017	5.70		5.720				A2V		82515	D	
1611	31 COM	12 49 15.862	+27 48 44.73		-0.0010	-0.013	4.94	2	5.61	2	5.81	2	G0III		82537		
1612	32 COM	12 49 43.043	+17 20 43.66		-0.0002	-0.017	6.38						GM0		100309		
1613	33 COM	12 49 53.538	+17 22 49.27		+0.0022	-0.041	6.92	4					F8	4	100311		
1614	35 COM	12 50 50.075	+21 30 58.99		-0.0034	-0.027	4.97						G8III+F6		82550	D	
1615	36 COM	12 56 27.099	+17 40 42.39		-0.0024	+0.024	4.79	2	6.35	2	8.31	2	GM0		100357	V?	
1616	37 COM	12 57 52.994	+31 03 15.55		-0.0016	-0.012	4.90						G9?II-III		63288	D	
1617	38 COM	12 58 41.259	+17 23 32.28		-0.0004	-0.030	5.86						G67		100374		
1618	39 COM	13 03 55.003	+21 25 16.61		-0.0052	-0.048	5.94						DF1		82650	D	
1619	41 COM	13 04 46.815	+27 53 33.31		+0.0023	-0.077	4.82	2	6.27	2	8.14	2	K5III		82659		
1620	17 AI COM	12 26 24.963	+26 11 21.69		-0.0019	-0.024	5.29	2	5.23	2	5.13	2	A SI		82330	DV	
1621	FK COM	13 28 24.727	+24 29 25.35		-0.0046	-0.022	8.0	6					G5	6	82867	DV	
1622	FM COM	12 16 30.903	+26 17 08.64		-0.0003	-0.026	6.48	2	6.66	2	6.75	2	A7V	7	82237	V	
1623	40 FS COM	13 03 56.569	+22 53 02.05		+0.0018	-0.053	5.60	2	7.19	2	8.82	2	GM5		82651	V	
1624	TV COM	12 25 26.788	+19 04 44.22		+0.0002	-0.009	9.2	6							100109	V	
1625	21 UU COM	12 28 30.830	+24 50 35.98		-0.0009	-0.013	5.46	2	5.51	2	5.61	2	A P		82346	V	
1626	42 ALP COM	13 07 33.321	+17 47 36.25	L	-0.0302	-0.131	4.23		4.68	2	4.62	2	F5V+F5V		100443	D	47
1627	43 BET COM	13 09 32.444	+28 07 52.02		-0.0605	+0.879	4.26	2	4.84	2	4.92	2	G0V		82706		
1628	15 GAM COM	12 24 26.870	+28 32 46.07		-0.0064	-0.087	4.37	2	5.50	2	6.65	2	K1III-IV		82313		
1629	U CRA	18 37 42.012	-37 53 02.39		-0.0002	-0.024	9.9	7					MD	6	210449	V	
1630	AM CRA	18 37 51.137	-37 31 56.68		+0.0008	-0.009	8.5	6					MB	6	210455	V	
1631	TY CRA	18 58 18.546	-36 56 51.86		+0.0008	-0.043	8.7	7					B2	6	210829	DV	
1632	TZ CRA	18 15 11.385	-43 22 52.60		+0.0019	-0.001	9.7	6					A0	6	228898	V	
1633	V 668 CRA	18 28 50.515	-42 21 23.70		+0.0046	-0.097	8.7	6	8.91	7	9.06	7	A5	6	229101	V	
1634	ALP CRA	19 06 04.345	-37 59 03.49		+0.0071	-0.099	4.110	1	4.150	1	4.240	1	A2		210990		
1635	BET CRA	19 06 35.486	-39 25 19.53		+0.0002	-0.037	4.110	1	5.310	1	6.380	1	G63		211005		
1636	GAM CRA	19 03 02.400	-37 08 13.47		+0.0079	-0.273	4.21	2	4.73	2	4.75	2	F8V+F8V		210928	D	48
1637	DEL CRA	19 04 52.193	-40 34 34.10		+0.0032	-0.025	4.59	2	5.69	2	6.72	2	GK1		229513		
1638	EPS CRA	18 55 21.108	-37 10 27.98		-0.0107	-0.097	4.87						F0V		210781	V	
1639	ZET CRA	18 59 34.512	-42 10 05.43		+0.0049	-0.051	4.75	2	4.73	2	4.66	2	A0		229461		
1640	ETA- 1 CRA	18 45 14.049	-43 44 11.56		+0.0022	-0.017	5.49	2	5.62	2			A2		229299		
1641	ETA- 2 CRA	18 45 59.249	-43 29 28.78		-0.0003	-0.022	5.64						B9		229307		
1642	THE CRA	18 29 55.960	-42 21 02.24		+0.0028	-0.021	4.64	2	5.66	2	6.42	2	G5III		229111		
1643	KAP- 1 CRA	18 29 56.295	-38 45 29.43		+0.0018	-0.027	6.55						B8		210296	D	
1644	KAP- 2 CRA	18 29 56.221	-38 45 51.01		-0.0003	-0.029	5.95						A		210295	D	
1645	LAM CRA	18 40 21.169	-38 22 24.69		+0.0002	-0.056	5.13						A1V		210501	D	
1646	MU CRA	18 44 14.852	-40 27 40.90		+0.0007	-0.014	5.24	2	6.02	2			G2		229285		
1647	R CRB	15 46 30.695	+28 18 32.24		-0.0003	-0.017	5.8						F PEP		84015	V	
1648	S CRB	15 19 21.526	+31 32 46.51		-0.0016	-0.010	6.0	4					M7E	4	64652	V	
1649	T CRB	15 57 24.505	+26 03 39.04		-0.0005	+0.011	2.0						PEC		84129	V	
1650	U CRB	15 16 08.892	+31 49 43.85		-0.0023	-0.011	7.7	4					B8	4	64619	V	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1651	V	CRB	15 47 44.082	+39 43 22.73	+0.0018	-0.002	6.9	4					N3E	4	64929	V	
1652	RR	CRB	15 39 36.166	+32 43 01.03	+0.0013	-0.035	7.2	4					MB	4	64848	V	
1653	RS	CRB	15 56 39.081	+36 09 48.48	-0.0054	-0.017	8.3	6					M7	7	64995	V	
1654	RW	CRB	15 37 12.525	+29 47 01.02	-0.0012	-0.005	10.1	7					F8	6	83931	V	
1655	RY	CRB	16 21 07.838	+30 57 55.51	-0.0000	+0.009	9.2	6							65266	V	
1656	SW	CRB	15 38 55.460	+38 52 41.93	+0.0012	+0.002	7.6	6					K5	6	64844	V	
1657	SX	CRB	16 13 29.530	+33 27 13.81	-0.0014	-0.011	8.8	6							65175	V	
1658	SY	CRB	15 34 55.981	+32 44 44.85	+0.0001	-0.029	9.0	6					MC	6	64810	V	
1659	5 ALP	CRB	15 32 34.145	+26 52 54.75	+0.0090	-0.091	2.240	1	2.220	1	2.190	1	A0V		83893	V	
1660	3 BET	CRB	15 25 45.944	+29 16 37.26	-0.0137	+0.083	3.680	1	3.970	1	4.080	1	F P		83831	V	
1661	8 GAM	CRB	15 40 38.464	+26 27 10.37	-0.0079	+0.043	3.850	1	3.840	1	3.800	1	A0IV		83958	DV	
1662	10 DEL	CRB	15 47 29.715	+26 13 12.87	-0.0058	-0.070	4.63	2	5.43	2	5.80	2	G5III-IV		84019		
1663	13 EPS	CRB	15 55 30.926	+27 01 17.43	-0.0058	-0.063	4.15	2	5.38	2	6.66	2	K3III		84098	D	
1664	7 ZET- 1	CRB	15 37 29.106	+36 47 52.71	-0.0015	-0.016	6.00		5.880				B6V		64833	D	49
1665	7 ZET- 2	CRB	15 37 29.590	+36 47 49.58	-0.0014	-0.009	5.07		4.950				B7V		64834	D	50
1666	2 ETA	CRB	15 21 08.253	+30 28 02.35	+0.0104	-0.191	4.98	2	5.56	2	5.60	2	G2V+G2V		64673	D	51
1667	4 THE	CRB	15 30 54.696	+31 31 36.47	-0.0017	-0.015	4.13	2	4.00	2	3.45	2	B7NN		64769		
1668	14 IOT	CRB	15 59 26.313	+29 59 23.42	-0.0023	-0.010	4.98	2	4.91	2	4.71	2	A0II-III		84152	V?	
1669	11 KAP	CRB	15 49 20.761	+35 48 41.15	-0.0010	-0.351	4.82	2	5.82	2	6.69	2	K0III-IV		64948		
1670	12 LAM	CRB	15 53 58.374	+38 05 25.28	+0.0029	+0.079	5.45	2	5.78	2	5.81	2	F2		64974		
1671	6 MU	CRB	15 33 24.732	+39 10 30.26	+0.0021	+0.003	5.22						GM2		64790		
1672	20 NU - 1	CRB	16 20 28.367	+33 54 56.32	+0.0003	-0.040	5.32						GM2		65257		
1673	21 NU - 2	CRB	16 20 36.066	+33 49 07.65	-0.0008	+0.056	5.32						K5III		65259		
1674	19 XI	CRB	16 20 08.817	+31 00 25.01	-0.0076	+0.111	4.85	2	5.82	2	6.62	2	K0III		65254		
1675	1 OMI	CRB	15 18 04.325	+29 47 47.25	-0.0094	-0.049	5.51	2	6.53	2	7.30	2	K0III		83768		
1676	9 PI	CRB	15 42 00.960	+32 40 21.41	-0.0027	-0.013	5.43						GG9		64870		
1677	15 RHO	CRB	15 59 07.834	+33 27 12.17	-0.0159	-0.768	5.40	2	6.00	2	6.09	2	G2V		65024		
1678	17 SIG	CRB	16 12 48.252	+33 59 02.61	-0.0221	-0.080	5.367						DF6+DG1		65165	DV?	52
1679	16 TAU	CRB	16 07 08.471	+36 37 00.60	-0.0047	+0.328	4.76	2	5.77	2	6.64	2	K0III		65108	DV?	
1680	18 UPS	CRB	16 14 44.468	+29 16 21.84	+0.0013	-0.020	5.78	2	5.85	2	5.95	2	A3V		84281	D	
1681	3	CRV	12 08 29.091	-23 19 26.24	-0.0047	-0.021	5.46	2	5.52	2			A2		180546		
1682	6	CRV	12 20 44.931	-24 33 47.28	-0.0015	-0.015	5.68	2	6.84	2			GK1		180747		
1683	R	CRV	12 17 02.315	-18 58 41.71	+0.0004	+0.003	5.9	4					M6E	4	157211	V	
1684	S	CRV	12 34 58.847	-16 59 21.25	-0.0018	-0.036	9.2	6					F5	6	157401	V	
1685	RU	CRV	12 32 19.166	-20 33 39.20	-0.0016	-0.012	9.1	6					M2	6	180922	V	
1686	RV	CRV	12 35 03.324	-19 18 10.61	-0.0033	+0.016	8.6	6					F0	6	157402	V	
1687	1 ALP	CRV	12 05 49.746	-24 27 00.13	+0.0062	-0.045	4.02	2	4.34	2	4.32	2	F2V		180505		
1688	9 BET	CRV	12 31 45.340	-23 07 13.60	+0.0001	-0.058	2.64	1	3.520	1	4.170	1	G5III		180915	V?	
1689	4 GAM	CRV	12 13 13.843	-17 15 51.84	-0.0114	+0.018	2.580	1	2.470	1	2.120	1	B8III		157176	V?	
1690	7 DEL	CRV	12 27 16.380	-16 14 14.14	-0.0148	-0.143	2.940	1	2.890	1	2.800	1	B9.5V?N		157323	DV?	
1691	2 EPS	CRV	12 07 32.919	-22 20 30.12	-0.0052	+0.010	2.980	1	4.320	1	5.790	1	K3III		180531	V?	
1692	5 ZET	CRV	12 17 58.019	-21 56 17.08	-0.0070	-0.033	5.21	2	5.11	2			B8		180700	D	
1693	8 ETA	CRV	12 29 29.361	-15 55 09.82	-0.0298	-0.066	4.32	2	4.69	2	4.71	2	F0IV		157345		
1694	17	A CRT	= -N-2 HYA														
1695	17	B CRT	= -N-1 HYA														
1696	31	CRT	11 58 17.515	-19 22 50.18	-0.0012	+0.008	5.28						B1.5V		157042		53
1697	R	CRT	10 58 06.012	-18 03 21.78	-0.0011	+0.005	9.8	4					MC	4	156389	DV	
1698	S	CRT	11 50 11.674	-07 19 06.02	-0.0006	+0.007	8.5	6					MC	6	138457	V	
1699	T	CRT	11 21 23.215	-19 37 59.93	+0.0002	-0.017	8.6	6					M4	6	156650	V	
1700	RR	CRT	11 29 09.355	-12 06 19.93	-0.0036	-0.019	9.3	6					M5	6	156732	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1701	RU CRT	11 48 33.334	-10 55 46.68		-0.0008	-0.001	8.2	6					M3	6	156937	V	
1702	RV CRT	11 16 45.425	-19 33 17.92		-0.0042	-0.005	9.2	6					F8	6	156604	V	
1703	RW CRT	11 03 27.165	-08 53 03.30		-0.0005	-0.026	8.5	6					M8	6	137985	V	
1704	RX CRT	11 15 18.465	-21 52 19.22		-0.0019	-0.028	7.76	5					M3	6	179746	V	
1705	SS CRT	11 33 13.351	-17 39 02.16		+0.0007	-0.013	8.8	6					M3	6	156775	V	
1706	SU CRT	11 30 19.397	-11 45 25.28		+0.0024	-0.160	8.8	6	9.10				F2V	7	156747	V	
1707	7 ALP CRT	10 57 20.138	-18 01 55.62		-0.0326	+0.124	4.07	2	5.16	2	6.14	2	K0III		156375		
1708	11 BET CRT	11 09 11.730	-22 33 08.99		+0.0000	-0.102	4.48	2	4.51	2	4.56	2	A2IV		179624		
1709	15 GAM CRT	11 22 22.850	-17 24 32.96		-0.0072	-0.001	4.08	2	4.29	2	4.39	2	A7IV		156661		D
1710	12 DEL CRT	11 16 50.293	-14 30 27.65		-0.0088	+0.201	3.560	1	4.670	1	5.660	1	G8III-IV		156605		
1711	14 EPS CRT	11 22 04.913	-10 35 05.39		-0.0022	+0.021	4.83	2	6.39	2			K5III		156658		
1712	27 ZET CRT	11 42 13.506	-18 04 21.55		+0.0020	-0.036	4.72	2	5.69	2	6.43	2	G8III		156869		
1713	30 ETA CRT	11 53 27.831	-16 52 20.63		-0.0039	-0.011	5.18	2	5.15	2			A0V		156988	V?	
1714	21 THE CRT	11 34 08.577	-09 31 32.04		-0.0045	+0.003	4.70	2	4.62	2	4.46	2	B9V		138296		
1715	24 IOT CRT	11 36 07.523	-12 55 35.21		+0.0060	+0.114	5.64						DF5		156802	D	
1716	16 KAP CRT	11 24 38.231	-12 04 54.43		-0.0072	+0.015	5.94	2	6.43	2			DF4		156685	D	
1717	13 LAM CRT	11 20 52.949	-18 30 18.07		-0.0222	-0.039	5.09	2	5.51	2	5.45	2	F5IV		156646		
1718	PSI CRT	11 10 01.385	-18 13 38.86		-0.0016	-0.035	6.13	2	6.12	2			A0		156528	D	
1719	R CRU	12 20 52.216	-61 21 07.59		+0.0017	-0.015	6.6	4	7.180	7			F5	4	251878	V	
1720	S CRU	12 51 23.582	-58 09 34.04		-0.0013	-0.005	6.20		6.900				G0		240362	V	
1721	T CRU	12 18 36.501	-62 00 14.72		-0.0006	+0.008	6.6	4	7.360	7			G0	4	251861	V	
1722	X CRU	12 43 26.930	-58 51 05.81		-0.0005	-0.012	8.98	7	9.870	7			G5	6	240231	V	
1723	AB CRU	12 14 55.850	-57 53 12.68		-0.0034	-0.006	8.9	7					B0	6	239816	V	
1724	AG CRU	12 38 32.500	-59 31 11.45		+0.0002	+0.005	8.30	7	8.860	7			F5	6	240150	V	
1725	AO CRU	12 15 02.450	-63 20 18.13		-0.0086	-0.057	8.5	7					K5	6	251832	V	
1726	BG CRU	12 28 51.856	-59 08 52.21		-0.0018	-0.008	5.44		6.01	7	6.37	7	F5IB-G0P	7	240027	V	
1727	ALP- 1 CRU	12 23 48.064	-62 49 19.43		-0.0036	-0.017	1.317	1	1.067	1	0.067	1	B1IV		251904	D	54
1728	ALP- 2 CRU	12 23 48.695	-62 49 22.27	N	-0.0041	-0.014	1.828	1	1.578	1	0.578	1	B3N			D	55
1729	BET CRU	12 44 47.037	-59 24 56.53		-0.0050	-0.017	1.250	1	1.020	1	0.030	1	B0.5IV		240259	DV	
1730	GAM- 1 CRU	12 28 22.727	-56 50 00.33		+0.0035	-0.267	1.630	1	3.220	1	5.180	1	M3II		240019	DV?	
1731	GAM- 2 CRU	12 28 29.606	-56 48 17.53		+0.0006	-0.004	6.42	2	6.58	2			A2		240022	D	
1732	DEL CRU	12 12 28.600	-58 28 14.80		-0.0049	-0.010	2.810	1	2.570	1	1.660	1	B2IV		239791	V?	
1733	EPS CRU	12 18 38.819	-60 07 30.06		-0.0235	+0.082	3.590	1	5.010	1	6.630	1	GK3		251862	V?	
1734	ZET CRU	12 15 42.632	-63 43 30.91		-0.0067	-0.016	4.040	1	3.870	1	3.190	1	B3IV		251841	D	
1735	ETA CRU	12 04 15.481	-64 20 05.32		+0.0052	-0.039	4.15	2	4.49	2	4.52	2	F0III		251742	D	
1736	THE- 1 CRU	12 00 27.925	-63 02 04.31		-0.0214	+0.003	4.310	1	4.585	1	4.615	1	A M		251705	D	
1737	THE- 2 CRU	12 01 43.852	-62 53 14.24		-0.0023	+0.003	4.710	1	4.625	1	4.015	1	B3IV		251717	V?	
1738	IOT CRU	12 42 40.528	-60 42 25.27		+0.0140	-0.068	4.69	2	5.74	2	6.67	2	K1III		252016	D	
1739	KAP CRU	12 50 48.851	-60 06 19.07		+0.0012	-0.026	5.90		6.140				B3IAB		252077		
1740	LAM CRU	12 51 40.057	-58 52 31.38		-0.0041	-0.014	4.620	1	4.470	1	3.870	1	B5?VN		240368		
1741	MU - 1 CRU	12 51 38.394	-56 54 24.00		-0.0036	-0.010	4.030	1	3.860	1	3.110	1	B3IV		240366	D	
1742	MU - 2 CRU	12 51 39.615	-56 53 49.85		-0.0039	-0.005	5.19	2	5.08	2	4.58	2	B5VE		240367	D	
1743	2 CYG	19 22 09.199	+29 31 20.47		+0.0011	+0.014	4.97	2	4.88	2	4.16	2	B3IV		87159		
1744	4 CYG	19 24 20.985	+36 12 59.35		+0.0001	+0.011	5.12		5.010				A SI		68301		
1745	7 CYG	19 26 12.441	+52 13 04.35		-0.0021	-0.023	5.56						A0		31673		
1746	8 CYG	19 29 54.724	+34 20 44.00		-0.0002	-0.000	4.74	2	4.61	2	3.94	2	B3IV		68447		
1747	9 CYG	19 32 51.638	+29 21 06.78		+0.0010	+0.026	5.32						F5+A0		87385		
1748	11 CYG	19 34 00.416	+36 49 57.06		+0.0004	-0.001	5.78		5.660				B8V		68552		
1749	14 CYG	19 37 48.726	+42 42 06.22		+0.0016	+0.030	5.36		5.280				A P		48691		
1750	15 CYG	19 42 28.301	+37 13 56.98		+0.0059	+0.035	4.85						G8III		68778		

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1751	17 A CyG	19 44 31.601	+33 36 36.80		+0.0014	-0.445	4.99	2	5.45	2	5.45	2	F5V		68827	n	
1752	17 B CyG	19 44 33.595	+33 36 45.69		+0.0021	-0.438	9.2	4					K5	4	68830	D	
1753	19 CyG	19 48 47.584	+38 35 33.82		+0.0007	+0.108	5.24						GM2		68947	DV?	
1754	22 CyG	19 54 04.405	+38 21 10.14		-0.0003	+0.003	4.95	2	4.86	2	4.34	2	B6III		69101		
1755	23 CyG	19 52 15.844	+57 23 30.98		+0.0006	+0.015	5.01		4.880				B5V		32085		
1756	25 CyG	19 58 05.067	+36 54 17.27		-0.0001	+0.006	5.20		5.030				B3VE		69231		
1757	30 CyG	20 11 43.632	+46 39 48.89		+0.0008	+0.001	4.83	2	4.92	2	5.08	2	A3III		49332	DV?	
1758	33 CyG	20 12 14.137	+56 24 50.93		+0.0073	+0.085	4.30	2	4.41	2	4.49	2	A3IV-V		32378		
1759	35 CyG	20 16 43.763	+34 49 31.59		+0.0002	-0.005	5.17	2	5.82	2	6.29	2	F5IB		69806	V?	
1760	36 CyG	20 16 36.103	+36 50 32.51		+0.0028	+0.027	5.50		5.560				A3V		69803		
1761	39 CyG	20 21 51.684	+32 01 39.89		+0.0031	+0.002	4.44	2	5.77	2	7.27	2	K3III		69950		
1762	40 CyG	20 25 42.992	+38 16 30.61		-0.0023	-0.068	5.38		5.410				A3V		70056		
1763	41 CyG	20 27 21.052	+30 12 02.35		+0.0004	+0.002	4.020	1	4.420	1	4.720	1	F5II		70095		
1764	42 CyG	20 27 25.848	+36 17 12.73		+0.0001	+0.002	5.88		6.360				A1IB		70096		
1765	43 CyG	20 25 30.517	+49 13 00.41		+0.0069	+0.062	4.740	2	5.780	2	6.710	2	DF0		49643		
1766	44 CyG	20 29 05.158	+36 45 59.07		+0.0000	-0.002	6.18	2	7.19	2	7.93	2	F5IAB		70135	D	
1767	47 CyG	20 31 57.393	+35 04 43.27		-0.0001	-0.004	4.63	2	6.24	2	6.99	2	K5+A3		70203		
1768	48 CyG	20 35 29.698	+31 23 48.89		+0.0006	+0.003	6.20		6.100				B8IV		70287		
1769	49 CyG	20 39 00.995	+32 07 42.32		+0.0004	-0.011	5.60						G8II		70362	D	
1770	51 CyG	20 40 40.056	+50 09 35.14		-0.0001	+0.007	5.38						B2V		32809	D	
1771	52 CyG	20 43 35.774	+30 32 10.47		-0.0009	+0.031	4.23	2	5.29	2	6.17	2	K0III		70467	n	
1772	55 CyG	20 47 13.981	+45 55 40.43		+0.0001	+0.003	4.86	2	5.28	2	4.83	2	B3IA		50099	DV?	
1773	56 CyG	20 48 18.237	+43 52 12.60		+0.0113	+0.137	5.08						A4M?		50121		
1774	57 CyG	20 51 28.529	+44 11 49.76		+0.0006	+0.004	4.77	2	4.63	2	4.05	2	B5V		50180	V?	
1775	60 CyG	20 59 26.064	+45 57 31.35		+0.0003	+0.011	5.40		5.200				B1VE		50359	D	
1776	61 CyG	21 04 39.931	+38 29 59.11	C	+0.3523	+3.185	4.775		6.022		5.945	2	K5V+K7V		70919	D	56
1777	69 CyG	21 23 44.257	+36 27 02.44		+0.0003	-0.002	5.95		5.890				B0IB		71329	D	
1778	70 CyG	21 25 18.864	+36 53 55.35		+0.0001	+0.006	5.21						B3V		71358		
1779	72 CyG	21 32 43.840	+38 18 32.85		+0.0102	+0.101	4.91	2	5.99	2	6.99	2	K1III		71480		
1780	74 CyG	21 34 56.508	+40 11 17.55		-0.0005	+0.017	5.00						A4		51101		
1781	75 CyG	21 38 13.144	+43 02 46.22		+0.0049	+0.022	6.20						GM0		51167	DV?	
1782	76 CyG	21 39 33.406	+40 34 39.11		-0.0013	-0.042	6.11	2	6.18	2	6.26	2	A2		51189		
1783	77 CyG	21 40 21.989	+40 50 53.19		+0.0016	+0.007	5.48						A0		51207	D	
1784	79 CyG	21 41 21.397	+38 03 14.72		+0.0028	+0.007	5.62		5.620				B9.5V		71643	D	
1785	68 A CyG	21 16 35.131	+43 44 05.23		-0.0001	-0.006	4.99		4.990				O8		40690		
1786	27 -B- 1 CyG	20 04 30.205	+35 50 01.52		-0.0189	-0.435	5.33	2	6.18	2	6.72	2	K0IV		69413		
1787	28 -B- 2 CyG	20 07 34.092	+36 41 29.09		+0.0001	+0.016	4.92	2	4.80	2	4.02	2	B3VE		69518		
1788	29 -B- 3 CyG	20 12 39.579	+36 39 07.85		+0.0054	+0.071	4.99	2	5.11	2	5.10	2	A2P		69678		
1789	16 -C- 1 CyG	19 40 29.115	+50 24 30.26		-0.0162	-0.151	5.95	2	6.59	2	6.79	2	G2V		31898	D	
1790	16 -C- 2 CyG	19 40 32.047	+50 24 02.76		-0.0146	-0.160	6.20	2	6.86	2	7.07	2	G5V		31899	D	
1791	20 -D CyG	19 49 22.412	+52 51 37.60		-0.0015	-0.066	5.00						K3III		32042	V?	
1792	26 -E CyG	19 59 56.650	+49 57 53.05		+0.0015	+0.006	5.18		6.280				K1II-III		49098	D	
1793	59 -F 1 CyG	20 58 07.395	+47 19 30.07		+0.0003	+0.005	4.75	2	4.71	2	3.77	2	B1IV?E		50335	DV	
1794	63 -G 2 CyG	21 04 52.620	+47 26 48.21		+0.0005	+0.003	4.56	2	6.12	2	7.85	2	K4II		50456	DV?	
1795	71 -H CyG	21 27 36.074	+46 19 09.90		+0.0041	+0.107	5.20						K0III		50934		
1796	34 -I P CyG	20 15 56.500	+37 52 35.55		-0.0007	-0.002	4.82	2	5.24	2	4.66	2	B P		69773	V	57
1797	-J R CyG	19 35 28.691	+50 05 11.53		-0.0006	-0.007	5.6	4					SE	4	31822	V	
1798	-K T CyG	20 45 10.911	+34 11 21.85		+0.0036	+0.006	5.20						K3III		70499	DV	
1799	-L U CyG	20 18 03.211	+47 44 09.91		-0.0050	+0.030	6.1						R8		49477	V	
1800	-M V CyG	20 39 41.318	+47 57 45.41		-0.0017	+0.026	6.8	4					N3	4	49940	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	G N
1801	W	CYG	21 34 08.202	+45 09 00.36	+0.0045	+0.010	5.38	2	6.97	2	8.21	2	GM4E		51079	V	
1802	X	CYG	20 41 26.598	+35 24 23.93	-0.0010	-0.001	6.5		7.340	7			F7IB		70423	V	
1803	Y	CYG	20 50 03.619	+34 28 08.28	+0.0017	-0.004	6.9	4					B2	4	70599	V	
1804	AA	CYG	20 02 36.645	+36 40 26.28	-0.0010	-0.010	8.4	6					NP	6	69360	V	
1805	AB	CYG	21 34 24.512	+31 52 38.99	+0.0024	+0.019	7.8	6					M4IIIE	7	71513	V	
1806	AC	CYG	20 11 21.301	+49 17 55.84	+0.0008	+0.026	8.1	6					MC	6	49327	V	
1807	AD	CYG	20 29 36.431	+32 23 40.26	-0.0003	-0.006	9.1	6					NP	6	70151	V	
1808	AF	CYG	19 28 42.955	+46 02 31.72	+0.0027	+0.010	6.4	4					M4	4	48521	V	
1809	AI	CYG	20 29 44.994	+32 21 07.80	+0.0013	-0.004	9.0	6					MA	6	70155	V	
1810	AZ	CYG	20 56 15.901	+46 16 20.95	+0.0015	-0.002	8.0	6							50296	V	
1811	BR	CYG	19 39 25.249	+46 40 01.61	-0.0012	+0.016	9.1	6							48721	V	
1812	CD	CYG	20 02 31.534	+33 58 10.52	+0.0003	+0.007	9.1	6							69357	V	
1813	CE	CYG	21 17 08.779	+46 47 44.58	+0.0038	+0.004	7.7	6					K2	6	50703	V	
1814	CF	CYG	20 00 06.757	+51 56 55.21	+0.0008	+0.008	9.0	6					A2	6	32207	V	
1815	CH	CYG	19 23 14.181	+50 08 31.02	-0.0009	-0.015	7.07	4					MB	4	31632	V	
1816	CP	CYG	21 35 32.681	+44 28 16.95	-0.0004	-0.024	6.05						A3		51109	V	
1817	CQ	CYG	19 56 24.243	+53 10 26.37	+0.0009	-0.001	8.9	6					F2	6	32144	V	
1818	CY	CYG	20 45 08.223	+45 52 03.19	-0.0009	+0.005	7.9	6					PEC	6	50053	V	
1819	DL	CYG	21 37 56.298	+48 18 46.10	+0.0012	+0.005	9.2	6							51160	V	
1820	DT	CYG	21 04 24.223	+30 58 59.78	-0.0002	+0.000	5.7						F5.5I-II		70917	V	
1821	GO	CYG	20 35 23.139	+35 15 39.46	-0.0002	-0.007	8.3	6					A0	6	70279	V	
1822	KR	CYG	20 07 05.148	+30 24 10.64	+0.0031	-0.012	9.1	6					A0	6	69504	V	
1823	MR	CYG	21 57 00.316	+47 44 37.14	-0.0008	+0.018	8.8	6							51509	V	
1824	MY	CYG	20 18 06.377	+33 47 03.94	+0.0019	+0.023	8.4	6					A	6	69850	V	
1825	QZ	CYG	19 57 15.939	+38 07 29.65	-0.0013	+0.004	9.3	6							69206	V	
1826	RS	CYG	20 11 34.543	+38 34 36.40	-0.0006	-0.002	6.8	4					NOE	4	69636	V	
1827	RT	CYG	19 42 12.630	+48 39 25.77	-0.0005	+0.019	6.3	4					M3E	4	48773	V	
1828	RU	CYG	21 38 58.506	+54 05 49.33	-0.0037	-0.002	6.9	4					M8E	4	33654	DV	
1829	RV	CYG	21 41 12.006	+37 47 16.91	-0.0001	-0.004	7.1	4					N5	4	71642	V	
1830	RX	CYG	20 09 17.740	+47 39 49.46	-0.0018	+0.015	7.5	4					B3	4	49282	V	
1831	SU	CYG	19 42 48.509	+29 08 34.10	-0.0001	+0.000	6.4		6.820	7			F2P		87659	V	
1832	SW	CYG	20 05 23.583	+46 09 14.58	-0.0015	-0.001	9.0	6					A2	6	49198	V	
1833	TT	CYG	19 39 01.902	+32 30 02.21	-0.0002	+0.002	8.0	6					N3E	7	68688	V	
1834	UU	CYG	21 37 30.538	+43 03 04.65	-0.0036	+0.018	8.9	7					A2	7	51154	DV	
1835	VX	CYG	20 55 27.424	+39 59 02.21	-0.0004	+0.021	9.0	6	10.430	7					70716	V	
1836	xZ	CYG	19 31 27.372	+56 16 47.18	+0.0103	-0.019	9.2	6					A3	6	31761	V	
1837	V 367	CYG	20 46 06.404	+39 06 08.35	-0.0012	-0.006	7.0	6							70517	DV	
1838	V 380	CYG	19 48 54.249	+40 28 17.49	-0.0005	-0.006	5.6						B1IV?		48892	V	
1839	V 382	CYG	20 16 53.882	+36 11 00.22	-0.0002	+0.012	8.6	6							69812	V	
1840	V 389	CYG	21 06 31.476	+30 00 09.79	+0.0018	-0.014	5.6						A0		70968	DV	
1841	V 393	CYG	19 57 09.049	+43 09 30.78	-0.0047	-0.025	9.0	6					A0	6	49051	V	
1842	V 395	CYG	20 07 00.499	+43 54 47.77	+0.0002	-0.010	8.2	6					G0	6	49234	V	
1843	V 405	CYG	20 19 48.835	+40 17 12.69	-0.0025	+0.011	8.1	6					MC	6	49517	V	
1844	V 444	CYG	20 17 42.589	+38 34 24.38	-0.0007	+0.001	8.1	6					OB	6	69833	V	
1845	V 448	CYG	20 04 16.695	+35 14 29.47	+0.0025	+0.005	8.3	6					B3	6	69410	V	
1846	V 449	CYG	19 51 26.823	+33 49 07.16	-0.0027	+0.029	7.7	6					M3	7	69031	V	
1847	V 453	CYG	20 04 42.139	+35 35 45.06	-0.0003	+0.014	8.3	6							69422	V	
1848	V 460	CYG	21 39 54.349	+35 16 53.25	+0.0004	+0.003	6.05	2	8.57	2	13.87	2	C6-3		71613	V	
1849	V 470	CYG	20 17 35.495	+40 43 48.43	+0.0025	+0.022	8.2	6							49467	V	
1850	V 477	CYG	20 03 29.474	+31 49 39.65	+0.0003	-0.016	8.5	6					A0	6	69381	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1851	V 478 CyG	20 17 48.267	+38 10 38.88		-0.0018	-0.034	8.7	6					B	6	69836	V	
1852	V 480 CyG	19 50 33.743	+34 28 51.02		-0.0032	-0.018	9.1	6							69006	V	
1853	V 485 CyG	19 59 19.969	+33 47 19.39		+0.0020	+0.050	8.6	6					MC	6	69264	V	
1854	V 539 CyG	21 37 37.726	+44 57 22.15		+0.0017	-0.021	8.7	6					MR	6	51156	V	
1855	V 548 CyG	19 55 47.031	+54 39 50.79		-0.0004	+0.019	8.5	6					A0	6	32137	V	
1856	V 568 CyG	20 40 24.615	+35 16 33.76		-0.0018	-0.007	6.50						B2VE		70406	V	
1857	V 680 CyG	21 51 58.539	+53 34 01.56		+0.0017	-0.020	9.6	6					B8	6	33841	V	
1858	V 695 CyG	= OMI-1 CyG															
1859	V 697 CyG	19 48 00.168	+52 39 28.61		-0.0022	+0.013	8.8	6					M2	6	32028	V	
1860	V 768 CyG	20 25 33.554	+31 41 27.10		-0.0002	-0.009	9.3	6							70051	V	
1861	V 819 CyG	19 51 32.369	+47 40 36.27		-0.0013	-0.007	6.16						B0.5IIIP		48940	V	
1862	V 828 CyG	20 36 32.838	+54 19 20.37		-0.0011	-0.012	9.2	6					B8	6	32748	V	
1863	V 832 CyG	= 59 -F-1 CyG															
1864	V 836 CyG	21 19 20.491	+35 31 22.51		+0.0019	+0.001	8.7	6	8.720	7			A0	6	71239	V	
1865	V 909 CyG	19 33 52.284	+28 10 01.26		+0.0029	-0.001	9.1	6					A0	6	87421	V	
1866	V 973 CyG	19 43 07.120	+40 35 42.40		-0.0060	-0.021	6.26						M3III		48789	V	
1867	V1042 CyG	20 10 00.785	+36 02 48.80		-0.0000	-0.009	8.2	6					OA	6	69584	V	
1868	V1056 CyG	20 48 33.943	+36 52 55.19		+0.0001	-0.014	8.7	6					MB	6	70566	V	
1869	V1058 CyG	21 00 13.195	+34 34 41.25		+0.0009	-0.012	8.6	6					MB	6	70812	V	
1870	V1059 CyG	21 02 43.733	+42 14 31.86		+0.0045	+0.004	8.4	6					MA	6	50419	V	
1871	V1061 CyG	21 05 45.237	+51 50 47.79		+0.0021	+0.037	9.0	6					F8	6	33149	V	
1872	V1070 CyG	21 20 51.727	+40 43 06.11		-0.0005	-0.008	7.3	6					MB	6	50770	V	
1873	V1125 CyG	19 29 52.865	+31 45 35.97		+0.0003	-0.005	8.2	6					MB	6	68445	V	
1874	V1143 CyG	19 37 33.734	+54 51 21.62		+0.0042	+0.169	5.82						DF4		31850	V	
1875	V1154 CyG	19 46 37.438	+43 00 04.94		+0.0007	+0.028	8.8	6							48854	V	
1876	V1264 CyG	19 33 09.002	+43 50 06.00		+0.0019	+0.006	6.58	7	6.53	7			A0P	6	48604	V	
1877	V1276 CyG	19 40 48.917	+29 12 41.39		+0.0045	+0.049	6.39	7					F0		87612	V	
1878	V1334 CyG	21 17 22.416	+38 01 31.85		+0.0007	-0.003	5.75		6.22	7			F2	7	71203	DV	
1879	V1339 CyG	21 40 13.515	+45 32 13.93		+0.0003	-0.009	6.47						M4		51204	V	
1880	V1351 CyG	19 40 57.796	+55 20 40.10		+0.0009	-0.038	5.35		6.92	7			GM5		31906	DV	
1881	V1357 CyG	19 56 28.843	+35 03 54.51		-0.0016	-0.018	8.6	6	9.40	7			B0IBEV	7	69181	V	5A
1882	V1362 CyG	20 01 50.106	+36 17 01.10		+0.0001	-0.003	8.2	6					B2	6	69334	V	
1883	V1372 CyG	20 12 18.456	+53 30 24.79		-0.0048	-0.048	7.12	4	7.09	7			A4P	7	32379	V	
1884	V1395 CyG	20 50 36.049	+46 34 37.73		-0.0021	-0.003	9.0	6	10.65	7			MA	6	50158	V	
1885	V1425 CyG	21 09 32.901	+55 07 36.55		-0.0008	+0.005	7.6	5					B8	6	33196	V	
1886	V1427 CyG	21 34 01.450	+47 41 14.89		-0.0011	+0.005	8.9	6	9.52	7	9.18	7	B3E9	7	51076	V	
1887	50 ALP CyG	20 39 43.539	+45 06 03.11		+0.0001	+0.005	1.250	1	1.340	1	1.110	1	A2IA		49941	DV?	
1888	6 BET- 1 CyG	19 28 42.222	+27 51 12.44		+0.0001	-0.002	3.080	1	4.210	1	4.830	1	K5II?+B?		87301	D	
1889	6 BET- 2 CyG	19 28 44.302	+27 51 32.68		-0.0008	+0.002	5.11	2	5.01	2	4.69	2	B8V		87302	D	
1890	37 GAM CyG	20 20 25.927	+40 05 44.57		+0.0001	+0.002	2.230	1	2.900	1	3.440	1	F8IB		49528	DV?	
1891	18 DEL CyG	19 43 24.671	+45 00 28.23	C	+0.0046	+0.049	2.870	1	2.850	1	2.750	1	B9.5III		48796	DV?	
1892	53 EPS CyG	20 44 11.168	+33 46 55.14		+0.0285	+0.329	2.460	1	3.490	1	4.360	1	K0III		70474	D	
1893	64 ZET CyG	21 10 48.357	+30 01 15.51		-0.0001	-0.052	3.200	1	4.190	1	4.950	1	G8II		71070		
1894	21 ETA CyG	19 54 25.726	+34 56 58.23		-0.0027	-0.026	3.930	1	4.960	1	5.840	1	K0III		69116	DV?	
1895	13 THE CyG	19 35 05.974	+50 06 16.11		-0.0025	+0.256	4.47	2	4.86	2	4.84	2	F4V		31815	D	
1896	10 IOT CyG	19 28 26.674	+51 37 20.98		+0.0019	+0.130	3.790	1	3.930	1	4.040	1	A5V		31702		
1897	1 KAP CyG	19 15 56.786	+53 16 31.87		+0.0061	+0.125	3.760	1	4.730	1	5.470	1	K0III		31537		
1898	54 LAM CyG	20 45 27.531	+36 18 21.94		+0.0005	-0.003	4.54	2	4.43	2	3.93	2	B5V		70505	D	
1899	78 MU - 1 CyG	21 41 54.246	+28 30 58.01		+0.0220	-0.238	4.785	2	5.225	2	5.235	2	F6V		89940	D	5A
1900	78 MU - 2 CyG	21 41 54.183	+28 30 57.84		+0.0174	-0.215	6.136	2	6.626	2	6.636	2	DF3		89939	D	6A

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1851	V 478 CYG	20 17 48.267	+38 10 38.88		-0.0018	-0.034	8.7	6					B	6	69816	V	
1852	V 480 CYG	19 50 33.743	+34 28 51.02		-0.0032	-0.018	9.1	6							69006	V	
1853	V 485 CYG	19 59 19.969	+33 47 19.39		+0.0020	+0.050	8.6	6					MC	6	69264	V	
1854	V 539 CYG	21 37 37.726	+44 57 22.15		+0.0017	-0.021	8.7	6					MB	6	51156	V	
1855	V 548 CYG	19 55 47.031	+54 39 50.79		-0.0004	+0.019	8.5	6					A0	6	32137	V	
1856	V 568 CYG	20 40 24.615	+35 16 33.76		-0.0018	-0.007	6.50						B2VE		70406	V	
1857	V 680 CYG	21 51 58.539	+53 34 01.56		+0.0017	-0.020	9.6	6					B8	6	33841	V	
1858	V 695 CYG	= OMI-1 CYG															
1859	V 697 CYG	19 48 00.168	+52 39 28.61		-0.0022	+0.013	8.8	6					M2	6	32028	V	
1860	V 788 CYG	20 25 33.554	+31 41 27.10		-0.0002	-0.009	9.3	6							70051	V	
1861	V 819 CYG	19 51 32.369	+47 40 36.27		-0.0013	-0.007	6.16						B0.5IIIP		48940	V	
1862	V 828 CYG	20 36 32.838	+54 19 20.37		-0.0011	-0.012	9.2	6					B8	6	32748	V	
1863	V 832 CYG	= 59 -F-1 CYG															
1864	V 836 CYG	21 19 20.491	+35 31 22.51		+0.0019	+0.001	8.7	6	8.720	7			A0	6	71239	V	
1865	V 909 CYG	19 33 52.284	+28 10 01.26		+0.0029	-0.001	9.1	6					A0	6	87421	V	
1866	V 973 CYG	19 43 07.120	+40 35 42.40		-0.0060	-0.021	6.26						M3III		48789	V	
1867	V1042 CYG	20 10 00.785	+36 02 48.80		-0.0000	-0.009	8.2	6					OA	6	69584	V	
1868	V1056 CYG	20 48 33.943	+36 52 55.19		+0.0001	-0.014	8.7	6					MB	6	70566	V	
1869	V1058 CYG	21 00 13.195	+34 34 41.25		+0.0009	-0.012	8.6	6					MB	6	70812	V	
1870	V1059 CYG	21 02 43.733	+42 14 31.86		+0.0045	+0.004	8.4	6					MA	6	50419	V	
1871	V1061 CYG	21 05 45.237	+51 50 47.79		+0.0021	+0.037	9.0	6					F8	6	33149	V	
1872	V1070 CYG	21 20 51.727	+40 43 06.11		-0.0005	-0.008	7.3	6					MB	6	50770	V	
1873	V1125 CYG	19 29 52.865	+31 45 35.97		+0.0003	-0.005	8.2	6					MB	6	68445	V	
1874	V1143 CYG	19 37 33.734	+54 51 21.62		+0.0042	+0.169	5.82						DF4		31850	V	
1875	V1154 CYG	19 46 37.438	+43 00 04.94		+0.0007	+0.028	8.8	6							48854	V	
1876	V1264 CYG	19 33 09.002	+43 50 06.00		+0.0019	+0.006	6.58	7	6.53	7			A0P	6	48604	V	
1877	V1276 CYG	19 40 48.917	+29 12 41.39		+0.0045	+0.049	6.39	7					F0		87612	V	
1878	V1334 CYG	21 17 22.416	+38 01 31.85		+0.0007	-0.003	5.75		6.22	7			F2	7	71203	DV	
1879	V1339 CYG	21 40 13.515	+45 32 13.93		+0.0003	-0.009	6.47						M4		51204	V	
1880	V1351 CYG	19 40 57.796	+55 20 40.10		+0.0009	-0.038	5.35		6.92	7			GM5		31906	DV	
1881	V1357 CYG	19 56 28.843	+35 03 54.51		-0.0016	-0.018	8.6	6	9.40	7			B0IBEV	7	69181	V	58
1882	V1362 CYG	20 01 50.106	+36 17 01.10		+0.0001	-0.003	8.2	6					B2	6	69334	V	
1883	V1372 CYG	20 12 18.456	+53 30 24.79		-0.0048	-0.048	7.12	4	7.09	7			A4P	7	32379	V	
1884	V1395 CYG	20 50 36.049	+46 34 37.73		-0.0021	-0.003	9.0	6	10.65	7			MA	6	50158	V	
1885	V1425 CYG	21 09 32.901	+55 07 36.55		-0.0008	+0.005	7.6	5					B8	6	33196	V	
1886	V1427 CYG	21 34 01.450	+47 41 14.89		-0.0011	+0.005	8.9	6	9.52	7	9.18	7	B3EQ	7	51076	V	
1887	50 ALP CYG	20 39 43.539	+45 06 03.11		+0.0001	+0.005	1.250	1	1.340	1	1.110	1	A2IA		49941	DV?	
1888	6 BET- 1 CYG	19 28 42.222	+27 51 12.44		+0.0001	-0.002	3.080	1	4.210	1	4.830	1	K5II?+B?		87301	D	
1889	6 BET- 2 CYG	19 28 44.302	+27 51 32.68		-0.0003	+0.002	5.11	2	5.01	2	4.69	2	B8V		87302	D	
1890	37 GAM CYG	20 20 25.927	+40 05 44.57		+0.0001	+0.002	2.230	1	2.900	1	3.440	1	F8IB		49528	DV?	
1891	18 DEL CYG	19 43 24.671	+45 00 28.23		+0.0046	+0.049	2.870	1	2.850	1	2.750	1	B9.SIII		48796	DV?	
1892	53 EPS CYG	20 44 11.168	+33 46 55.14		+0.0285	+0.329	2.460	1	3.490	1	4.360	1	K0III		70474	D	
1893	64 ZET CYG	21 10 48.357	+30 01 15.51		-0.0001	-0.052	3.200	1	4.190	1	4.950	1	G8II		71070		
1894	21 ETA CYG	19 54 25.726	+34 56 58.23		-0.0027	-0.026	3.930	1	4.960	1	5.840	1	K0III		69116	DV?	
1895	13 THE CYG	19 35 05.974	+50 06 16.11		-0.0025	+0.256	4.47	2	4.86	2	4.84	2	F4V		31815	D	
1896	10 IOT CYG	19 28 26.674	+51 37 20.98		+0.0019	+0.130	3.790	1	3.930	1	4.040	1	A5V		31702		
1897	1 KAP CYG	19 15 56.786	+53 16 31.87		+0.0061	+0.125	3.760	1	4.730	1	5.470	1	K0III		31537		
1898	54 LAM CYG	20 45 27.531	+36 18 21.94		+0.0005	-0.003	4.54	2	4.43	2	3.93	2	B5V		70505	D	
1899	78 MU - 1 CYG	21 41 54.246	+28 30 58.01		+0.0220	-0.238	4.785	2	5.225	2	5.235	2	F6V		89940	D	59
1900	78 MU - 2 CYG	21 41 54.183	+28 30 57.84		+0.0174	-0.215	6.136	2	6.626	2	6.636	2	DF3		89939	D	60

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OF POOR QUALITY

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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1901	58 NU	CYG	20 55 18.418	+40 58 25.85	+0.0007	-0.012	3.940	1	3.960	1	3.960	1	A0V		50274		
1902	62 XI	CYG	21 03 06.589	+43 43 39.32	+0.0005	+0.004	3.700	1	5.350	1	7.150	1	K5IB		50424	V?	
1903	31 OMI- 1	CYG	20 12 03.343	+46 35 19.87	+0.0000	+0.005	3.800	1	5.080	1	5.500	1	CK1P		49317	DV	
1904	32 OMI- 2	CYG	20 13 55.487	+47 33 35.68	-0.0003	+0.010	3.980	1	5.500	1	6.540	1	K0+A3		49385	DV	
1905	80 PI - 1	CYG	21 40 18.952	+50 57 39.10	+0.0001	+0.004	4.67	2	4.55	2	3.86	2	B3IV		33665		
1906	81 PI - 2	CYG	21 44 56.560	+49 04 39.35	+0.0002	+0.003	4.24	2	4.12	2	3.40	2	B3III		51293		
1907	73 RHO	CYG	21 32 05.828	+45 22 12.30	-0.0025	-0.091	4.020	1	4.910	1	5.470	1	G8III		51035		
1908	67 SIG	CYG	21 15 26.951	+39 11 03.50	-0.0002	-0.000	4.23	2	4.36	2	3.97	2	B9IAR		71165	V?	
1909	65 TAU	CYG	21 12 47.559	+37 49 52.27	+0.0134	+0.437	3.730	1	4.130	1	4.160	1	F0IV		71121	DV	
1910	66 UPS	CYG	21 15 51.555	+34 41 09.86	+0.0009	-0.000	4.42	2	4.32	2	3.50	2	B2VE		71173	DV?	
1911	12 PHI	CYG	19 37 24.015	+30 02 13.10	+0.0000	+0.042	4.70	2	5.65	2	6.44	2	G8III-IV		68637		
1912	CHI	CYG	19 48 38.484	+32 47 11.78	-0.0024	-0.038	4.23	2	6.05	2	7.01	2	S7-1E		68943	V	
1913	24 PSI	CYG	19 54 20.175	+52 18 19.76	-0.0045	-0.028	4.92	2	5.04	2	5.10	2	A3IV-V		32114	D	
1914	45 OME- 1	CYG	20 28 30.540	+48 46 57.96	+0.0009	+0.011	4.95	2	4.86	2	4.23	2	B2V		49712	D	
1915	46 OME- 2	CYG	20 29 46.145	+49 03 02.97	+0.0008	-0.026	5.42						GM2		49741	V?	
1916	1	DEL	20 27 54.268	+10 43 38.35	+0.0013	+0.006	5.92		5.930				AOPE		106172	D	
1917	10	DEL	20 38 55.689	+14 24 14.16	-0.0005	+0.005	6.01						GK4		106384	V?	
1918	13	DEL	20 45 19.692	+05 49 24.48	+0.0005	-0.002	5.58	2	5.56	2	5.47	2	A1		126222	DV?	
1919	14	DEL	20 47 21.127	+07 40 37.89	+0.0015	+0.016	6.33	2	6.35	2	6.33	2	A2		126265		
1920	15	DEL	20 47 14.751	+12 21 25.64	+0.0038	+0.101	5.89						DF4		106536	V?	
1921	16	DEL	20 53 15.368	+12 22 34.43	+0.0026	+0.021	5.54		5.650				A4V		106666	D	
1922	17	DEL	20 53 14.567	+13 31 46.86	+0.0009	-0.009	5.24						K0III		106665		
1923	18	DEL	20 56 01.378	+10 38 42.99	-0.0036	-0.032	5.84						GG6		106712		
1924	R	DEL	20 12 30.219	+08 56 08.76	-0.0010	-0.025	7.6	4					M5E	4	125610	V	
1925	S	DEL	20 40 46.591	+16 54 27.48	+0.0015	+0.032	8.4	4					M5		106422	DV	
1926	T	DEL	20 43 02.041	+16 12 58.22	-0.0008	+0.020	8.3	4					M4E	4	106456	V	
1927	U	DEL	20 43 10.766	+17 54 26.44	+0.0001	+0.007	5.6						M5II-III		106458	V	
1928	CT	DEL	20 27 01.824	+09 43 48.97	-0.0015	-0.015	7.5	6					MB	6	125861	V	
1929	CZ	DEL	20 31 12.721	+09 20 42.38	+0.0010	+0.010	8.1	6					MA	6	125953	V	
1930	DM	DEL	20 37 16.477	+14 15 05.74	-0.0002	-0.028	8.2	6							106356	V	
1931	EU	DEL	20 35 37.753	+18 05 30.28	+0.0013	+0.101	6.27						GM6		106329	V	
1932	KP	DEL	20 42 52.997	+18 06 37.87	-0.0008	+0.018	8.4						MA	6	106453	V	
1933	RS	DEL	20 26 51.231	+16 06 21.71	+0.0033	-0.007	8.1	6					MC	6	106153	V	
1934	TX	DEL	20 47 41.976	+03 27 54.83	-0.0020	-0.002	8.9	6					F8	6	126272	V	
1935	9 ALP	DEL	20 37 18.874	+15 44 04.30	+0.0045	-0.000	3.770	1	3.710	1	3.500	1	B9V		106357	DV?	
1936	6 BET	DEL	20 35 12.206	+14 25 12.31	+0.0077	-0.031	3.630	1	4.070	1	4.150	1	F5IV		106316	D	
1937	12 GAM- 1	DEL	20 44 19.473	+15 56 34.71	-0.0022	-0.188	5.182	1	5.684	1	6.542	1	F7V		106475	D	
1938	12 GAM- 2	DEL	20 44 20.236	+15 56 34.82	-0.0024	-0.195	4.312	1	5.364	1	5.672	1	K1IV		106476	D	
1939	11 DEL	DEL	20 41 07.413	+14 53 38.69	-0.0014	-0.041	4.44	2	4.76	2	4.86	2	A M?		106425	V	
1940	2 EPS	DEL	20 30 49.400	+11 07 55.83	+0.0007	-0.018	4.040	1	3.920	1	3.440	1	B6III		106230	V?	
1941	4 ZET	DEL	20 32 58.198	+14 30 02.23	+0.0031	+0.015	4.69	2	4.80	2	4.91	2	A3V		106274		
1942	3 ETA	DEL	20 31 35.073	+12 51 17.16	+0.0048	+0.029	5.22		5.270				A2V		106248	V?	
1943	8 THE	DEL	20 36 22.307	+13 08 18.22	-0.0002	-0.001	5.82						K3IB		106342		
1944	5 IOT	DEL	20 35 25.555	+11 12 07.25	+0.0026	-0.004	5.02		4.460				A2V		106322		
1945	7 KAP	DEL	20 36 42.005	+09 54 31.97	+0.0215	-0.021	4.42	2	5.76	2	5.95	2	G5IV		126059	D	
1946	G	DOR	05 32 43.081	-64 15 37.61	+0.0059	-0.011	5.34	2	6.38	2	7.23	2	GG7		249309		
1947	R	DOR	04 36 10.395	-62 10 31.78	-0.0091	-0.083	4.500	1	6.250	1	7.500	1	GM7		249066	DV	
1948	WW	DOR	04 12 15.752	-50 42 41.98	-0.0018	+0.004	8.5	6					MA	6	233439	V	
1949	WX	DOR	04 13 51.226	-53 07 57.96	+0.0026	-0.021	9.0	6					MB	6	233449	V	
1950	WZ	DOR	05 07 10.359	-63 27 44.65	+0.0030	-0.040	5.24		6.86	7	8.70	7	B2.5	7	249198	V	

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1951	ALP DOR	04 32 54.798	-55 08 51.77		+0.0061	+0.001	3.270	1	3.170	1	2.820	1	A0SI		233564	D	
1952	BET DOR	05 33 11.331	-62 31 20.19		+0.0002	+0.007	3.450	1	4.100	1	4.520	1	F8IA		249311	V	
1953	GAM DOR	04 14 42.867	-51 36 42.99		+0.0113	+0.189	4.25	2	4.55	2	4.58	2	F5V		233457	V	
1954	DEL DOR	05 44 40.928	-65 45 15.24		-0.0043	+0.007	4.35	2	4.56	2	4.68	2	A6IV		249346		
1955	EPS DOR	05 49 56.616	-66 54 49.44		-0.0026	+0.014	5.11	2	4.97	2	4.48	2	B5		249368	V?	
1956	ZET DOR	05 04 39.031	-57 32 25.76		-0.0043	+0.116	4.72	2	5.24	2	5.20	2	F8V		233822		
1957	ETA- 1 DOR	06 06 05.892	-66 01 57.36		+0.0030	+0.025	5.71	2	5.68	2	5.61	2	B9		249448		
1958	ETA- 2 DOR	06 11 08.481	-65 34 39.16		-0.0040	+0.113	5.01	2	6.62	2	8.47	2	GM3		249469	V?	
1959	THE DOR	05 13 47.396	-67 14 29.96		+0.0025	+0.034	4.82	2	6.11	2			K2III		249225		
1960	KAP DOR	04 43 35.688	-59 49 26.51		+0.0048	+0.041	5.35						A3		233664		
1961	LAM DOR	05 25 35.249	-58 57 15.52		-0.0017	+0.027	5.14	2	6.14	2			G5		233981		
1962	NU DOR	06 09 03.543	-68 49 58.38		-0.0093	+0.019	5.06	2	4.98	2	4.77	2	B8V		249461		
1963	PI - 1 DOR	06 23 06.711	-69 57 24.43		+0.0043	+0.026	5.56	2	7.07	2	8.89	2	K5		249532		
1964	PI - 2 DOR	06 25 54.363	-69 39 42.97		-0.0026	+0.199	5.38	2	6.35	2	7.02	2	G65		249550		
1965	2 DRA	11 33 08.295	+69 36 04.56		+0.0209	-0.130	5.13						K0III		15567		
1966	3 DRA	11 39 42.090	+67 01 18.18		-0.0078	+0.034	5.34						K3III		15606		
1967	6 DRA	12 32 37.661	+70 17 49.65		-0.0068	-0.003	5.07						GK2		7600		
1968	7 DRA	12 45 32.195	+67 03 46.82		+0.0002	-0.007	5.46						GK5		15902		
1969	8 DRA	12 53 29.454	+65 42 33.68		-0.0014	-0.034	5.24	2	5.52	2	5.54	2	A5N		15941		
1970	9 DRA	12 58 02.053	+66 51 59.88		-0.0241	-0.016	5.32	2	6.61	2	7.90	2	K2III		15960		
1971	16 DRA	16 35 00.276	+52 59 59.51		-0.0017	+0.031	5.65						A0		30012	D	
1972	17 DRA	16 35 02.648	+53 01 27.11		-0.0017	+0.025	5.202						A0+A0		30013	D	
1973	20 DRA	16 56 10.002	+65 06 53.89		-0.0076	+0.031	6.37						F0		17285	DV?	
1974	26 DRA	17 34 28.238	+61 54 45.41		+0.0352	-0.510	5.23	2	5.84	2	5.94	2	G1V		17546	D	
1975	29 DRA	17 34 03.293	+74 15 33.08		-0.0186	+0.039	7.06	4					K2	4	8842		
1976	30 DRA	17 47 52.511	+50 47 31.58		-0.0058	+0.209	5.11						A2		30591		
1977	34 DRA	17 56 02.907	+72 00 37.92		+0.0002	+0.003	5.46						F2		8961		
1978	35 DRA	17 51 40.964	+76 58 15.03		+0.0105	+0.246	5.09						F6IV-V		8939		
1979	36 DRA	18 13 36.422	+64 22 48.39		+0.0526	+0.032	4.80						F5V		17828		
1980	37 DRA	18 15 34.459	+68 44 16.53		+0.0023	-0.059	5.97						GK1		17837		
1981	38 DRA	18 17 16.190	+68 43 19.27		-0.0062	-0.089	6.72	4					A0	4	17847		
1982	40 DRA	18 03 47.449	+79 59 47.77		+0.0164	+0.127	6.04	2	6.55	2	6.54	2	DF5		8994	DV?	
1983	41 DRA	18 03 53.450	+79 59 59.55		+0.0155	+0.120	5.68	2	6.18	2	6.17	2	DF6		8996	DV?	
1984	42 DRA	18 25 50.426	+65 31 56.82		-0.0156	-0.026	4.82	2	6.01	2	7.12	2	K2III		17888		
1985	48 DRA	18 55 54.222	+57 44 52.65		-0.0049	-0.066	7.62						GK3		31284		
1986	49 DRA	18 59 43.977	+55 35 09.93		-0.0025	-0.005	5.37						G63		31323		
1987	50 DRA	18 47 59.715	+75 22 33.84		-0.0052	+0.076	5.36						A1		9250		
1988	51 DRA	19 03 47.703	+53 19 09.26		-0.0009	+0.025	5.32						A0		31371		
1989	53 DRA	19 10 43.809	+56 46 24.31		+0.0041	+0.047	5.12						G8III		31468	V?	
1990	54 DRA	19 13 01.631	+57 37 05.71		-0.0020	-0.069	5.12						K2III		31497		
1991	55 DRA	19 09 34.715	+65 53 41.42		-0.0005	+0.034	6.13						A2		18187		
1992	59 DRA	19 11 01.096	+76 28 42.03		+0.0127	-0.121	5.14	2	5.45	2	5.45	2	F2V		9341		
1993	65 DRA	20 01 47.129	+64 29 34.34		+0.0066	+0.012	6.54						G67		18669		
1994	66 DRA	20 04 45.227	+61 50 59.76		+0.0167	+0.076	5.40						K3III		18700		
1995	68 DRA	20 10 45.865	+61 55 36.56		+0.0170	+0.085	5.67						DF5		18751		
1996	69 DRA	20 01 02.423	+76 20 33.59		-0.0085	-0.056	6.20	2	7.81	2	9.70	2	M3III		9606		
1997	71 DRA	20 18 46.740	+62 05 53.67		+0.0010	+0.029	5.62		5.570				B9		18807		
1998	74 DRA	20 32 26.025	+80 55 04.27		+0.0285	+0.223	5.95						K0III		3413		
1999	75 DRA	20 31 28.005	+81 15 11.50		+0.0115	+0.018	5.46						G9III		3408		
2000	76 DRA	20 46 19.839	+82 20 52.28		+0.0139	+0.026	5.67						A0		3458	V?	

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2001	77	DRA	21 06 31.971	+77 55 26.77	+0.0062	+0.034	5.90		5.830				B9		9959		64
2002	78	DRA	21 42 28.019	+72 05 26.87	-0.0100	-0.032	5.22						K1III		10131		65
2003	79	DRA	21 52 12.433	+73 27 56.37	+0.0085	+0.030	6.58	4					A0	4	10186		66
2004	15 A	DRA	16 28 04.164	+68 52 34.82	-0.0058	+0.034	5.01	2	4.95	2	4.84	2	B9IV		17107		
2005	39 -B	DRA	18 23 10.673	+58 46 16.50	-0.0057	+0.061	4.99	2	5.07	2	5.12	2	A1V		30949	?	
2006	46 -C	DRA	18 41 39.779	+55 29 17.62	-0.0009	+0.024	5.06						A0SI		31119	V?	
2007	45 -D	DRA	18 31 42.658	+57 00 24.61	-0.0014	-0.004	4.80	2	5.41	2	5.85	2	F7IR		31039		
2008	64 -E	DRA	20 00 56.986	+64 40 50.55	+0.0007	-0.010	5.23						GM1		18658		
2009	27 -F	DRA	17 32 09.543	+68 10 01.19	-0.0031	+0.134	5.05	2	6.13	2	7.05	2	K0III		17526		
2010	18 -G	DRA	16 40 33.945	+64 41 00.90	-0.0006	-0.017	4.83						K1P		17188		
2011	19 -H	DRA	16 55 44.806	+65 12 39.19	+0.0371	+0.046	4.90	2	5.38	2	5.35	2	F6V		17281	V?	
2012	10 -I	DRA	13 49 58.224	+64 58 11.15	-0.0006	-0.006	4.66	2	6.23	2	8.12	2	GM3		16199	DV?	
2013	R	DRA	16 32 31.281	+66 51 28.55	-0.0060	-0.046	6.4	4					M6E	4	17137	V	
2014	AC	DRA	20 19 53.155	+68 43 13.55	+0.0030	+0.039	5.99						GM5		18817	V	
2015	73 AF	DRA	20 32 11.343	+74 47 01.07	+0.0008	-0.012	5.19		5.260				A P		9802	V	
2016	AG	DRA	16 01 23.225	+66 56 24.86	-0.0040	-0.041	9.4	6							16931	V	
2017	AH	DRA	16 47 23.997	+57 53 59.21	-0.0017	-0.012	7.5	6					M5	6	30107	V	
2018	AI	DRA	16 55 08.858	+52 46 31.71	+0.0007	-0.007	7.1	6					A0	6	30164	V	
2019	AT	DRA	16 16 24.952	+59 52 32.55	+0.0001	+0.023	5.51						GM4		29874	V	
2020	AZ	DRA	16 41 30.887	+72 45 55.81	+0.0010	+0.005	6.9	6					M0	6	8598	V	
2021	BS	DRA	19 57 12.641	+73 28 48.10	-0.0000	-0.012	8.8	6					F5	6	9579	V	
2022	BU	DRA	14 57 17.945	+56 57 02.16	-0.0013	-0.020	9.1	6					F5	6	29364	V	
2023	BV	DRA	15 10 50.659	+62 02 32.93	-0.0245	+0.094	7.3	6					G0	6	16636	DV	
2024	BW	DRA	15 10 50.377	+62 02 48.55	-0.0247	+0.088	7.9	6					G0	6	16635	DV	
2025	BY	DRA	18 32 44.726	+51 41 00.56	+0.0197	-0.311	8.3	6					M1	6	31048	V	
2026	CL	DRA	15 56 36.000	+54 53 25.23	-0.0182	+0.108	4.95	2	5.21	2	5.25	2	F0IV		29727	V	
2027	4 CQ	DRA	12 27 55.835	+69 28 40.78	-0.0117	-0.055	5.07		6.68	7			GM4		15816	V	
2028	RY	DRA	12 54 28.102	+66 15 51.97	-0.0011	-0.034	6.1	4					NP	4	15945	V	
2029	SU	DRA	11 35 06.832	+67 36 26.96	-0.0072	-0.097	9.4	6	9.520	7			A2	6	15575	V	
2030	SX	DRA	18 03 48.640	+58 23 34.89	-0.0004	+0.017	9.3	6					A7	6	30734	V	
2031	SZ	DRA	19 09 51.998	+66 01 06.97	-0.0015	+0.015	8.1	6					MB	6	18194	V	
2032	TT	DRA	17 12 02.692	+57 55 11.17	-0.0014	+0.009	9.2	6					M5	6	30298	V	
2033	TV	DRA	17 08 06.380	+64 22 52.50	+0.0016	+0.005	9.0	6					MCP	6	17364	V	
2034	TW	DRA	15 33 07.061	+64 04 22.49	+0.0009	+0.020	7.8	5					A5+K0III	7	16767	DV	
2035	TX	DRA	16 34 17.446	+60 34 09.68	-0.0076	+0.018	6.8	4					M5	4	17155	V	
2036	TZ	DRA	18 20 50.677	+47 32 32.47	-0.0014	+0.029	9.0	6							47430	V	
2037	UU	DRA	20 24 53.875	+75 05 22.04	+0.0033	+0.021	9.4	6					MC	6	9757	V	
2038	UV	DRA	14 42 33.548	+56 19 02.96	-0.0032	+0.006	8.8	6					M2	6	29259	V	
2039	UW	DRA	17 56 31.970	+54 40 09.52	+0.0011	-0.023	7.0	4					K5	4	30659	V	
2040	UX	DRA	19 23 22.408	+76 27 41.68	-0.0036	+0.002	5.8	4	8.670	7			NB	4	9404	V	
2041	VW	DRA	17 15 52.790	+60 43 23.77	-0.0066	+0.014	6.3						GG9		17414	V	
2042	VY	DRA	15 39 12.505	+64 49 19.18	+0.0011	+0.011	7.30	4					K2	4	16806	V	
2043	WW	DRA	16 38 21.839	+60 47 49.66	+0.0009	-0.062	9.3	4	10.270	7			G5	4	17176	DV	
2044	XZ	DRA	19 09 24.440	+64 46 33.10	+0.0041	+0.029	9.4	6							18183	V	
2045	11 ALP	DRA	14 03 01.963	+64 36 51.57	-0.0090	+0.015	3.650	1	3.600	1	3.520	1	A0III		16273	V?	
2046	23 BET	DRA	17 29 18.009	+52 20 15.65	-0.0024	+0.013	2.780	1	3.780	1	4.410	1	G2II		30429	D	
2047	33 GAM	DRA	17 55 26.576	+51 29 38.52	-0.0014	-0.020	2.220	1	3.740	1	5.620	1	K5III		30653	D	
2048	57 DEL	DRA	19 12 32.824	+67 34 25.02	+0.0158	+0.093	3.070	1	4.070	1	4.850	1	G9III		18222		
2049	63 EPS	DRA	19 48 21.063	+70 08 26.54	+0.0154	+0.039	3.820	1	4.710	1	5.230	1	G8III		9540	DV?	
2050	22 ZET	DRA	17 08 38.146	+65 46 33.99	-0.0040	+0.021	3.170	1	3.060	1	2.630	1	B6III		17365		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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2051	14 ETA	DRA	16 23 18.476	+61 37 37.10	-0.0033	+0.059	2.740	1	3.650	1	4.350	1	G8III		17074	DV?	
2052	13 THE	DRA	16 00 56.829	+58 41 53.68	-0.0417	+0.336	4.030	1	4.550	1	4.650	1	F8IV-V		29765		
2053	12 IOT	DRA	15 23 48.741	+59 08 26.16	-0.0020	+0.013	3.290	1	4.450	1	5.680	1	K2III		29520		
2054	5 KAP	DRA	12 31 21.550	+70 03 48.95	-0.0116	+0.009	3.890	1	3.750	1	3.180	1	B7P		7593	V?	
2055	1 LAM	DRA	11 28 27.546	+69 36 26.09	-0.0074	-0.020	3.850	1	5.470	1	7.440	1	M0III		15532	V?	
2056	21 MU	DRA	17 04 17.357	+54 32 07.94	-0.0091	+0.084	5.062						DF6+DF6		30239	D	67
2057	24 NU - 1	DRA	17 31 11.293	+55 13 04.07	+0.0163	+0.055	4.88	2	5.14	2	5.17	2	A M		30447	D	
2058	25 NU - 2	DRA	17 31 16.719	+55 12 22.81	+0.0165	+0.054	4.88	2	5.15	2	5.19	2	A M		30450	D	
2059	32 XI	DRA	17 52 39.700	+56 52 47.68	+0.0106	+0.078	3.750	1	4.930	1	6.140	1	K2II		30631		
2060	47 OMI	DRA	18 50 27.777	+59 19 36.35	+0.0095	+0.027	4.67	2	5.86	2	6.90	2	K0II-III		31218	D	
2061	58 PI	DRA	19 20 24.896	+65 37 05.16	+0.0017	+0.042	4.59	2	4.61	2	4.67	2	A2IV		18299		
2062	67 RHO	DRA	20 02 35.927	+67 43 51.20	+0.0020	+0.050	4.50	2	5.81	2	7.31	2	K3III		18676		
2063	61 SIG	DRA	19 32 27.585	+69 34 34.10	+0.1098	-1.744	4.69	2	5.49	2	5.86	2	K0V		18396	V?	
2064	60 TAU	DRA	19 16 31.472	+73 15 47.87	-0.0330	+0.111	4.45	2	5.70	2	7.15	2	K3III		9366	V?	
2065	52 UPS	DRA	18 55 00.917	+71 13 50.81	+0.0094	+0.045	4.82	2	5.97	2	7.07	2	K0III		9283		
2066	43 PHI	DRA	18 21 28.505	+71 18 42.23	-0.0020	+0.041	4.22	2	4.12	2	3.79	2	A0SI		9084	DV?	
2067	44 CHI	DRA	18 21 57.480	+72 42 42.14	+0.1169	-0.356	3.580	1	4.070	1	4.010	1	F7V		9087	D	
2068	31 PSI - 1	DRA	17 42 49.282	+72 10 26.21	+0.0033	-0.267	4.58	2	5.01	2	5.02	2	F5IV-V		8890	D	
2069	31 PSI - 2	DRA	17 42 50.929	+72 10 55.37	+0.0041	-0.278	5.738		6.188				DF6		8891	D	
2070	28 OME	DRA	17 37 14.348	+68 46 52.48	-0.0002	+0.322	4.80	2	5.23	2			F5V		17576		
2071	3	EQU	21 02 05.229	+05 18 11.04	+0.0010	+0.002	5.60	2	7.25	2	9.26	2	GK5		126518		
2072	4	EQU	21 02 58.007	+05 45 34.46	-0.0062	-0.125	5.94	2	6.48	2	6.54	2	F8		126535		
2073	6	EQU	21 08 05.428	+09 50 38.44	-0.0007	+0.019	6.07	2	6.09	2	6.13	2	A1		126597	D	
2074	9	EQU	21 18 36.352	+07 08 29.53	+0.0026	-0.015	5.82	2	7.48	2	9.45	2	GM2		126719		
2075	S	EQU	20 54 43.196	+04 53 13.37	+0.0004	-0.003	8.1	6					A0	6	126399	V	
2076	RU	EQU	21 15 49.544	+07 32 58.11	-0.0002	-0.004	8.6	6					MB	6	126695	V	
2077	RV	EQU	21 12 26.695	+08 47 08.08	+0.0001	-0.013	8.6	6					K0	6	126649	V	
2078	8 ALP	EQU	21 13 19.440	+05 02 24.35	+0.0038	-0.084	3.900	1	4.420	1	4.720	1	F8+A3		126662		
2079	10 BET	EQU	21 20 24.669	+06 35 47.14	+0.0036	+0.014	5.17	2	5.22	2	5.29	2	A2		126749	D	
2080	5 GAM	EQU	21 07 54.579	+09 55 44.82	+0.0040	-0.152	4.68	2	4.94	2	5.03	2	F P		126593	DV	
2081	7 DEL	EQU	21 12 02.672	+09 48 11.96	+0.0031	-0.301	4.49	2	4.99	2	4.98	2	F7V		126643	D	
2082	1 EPS	EQU	20 56 34.503	+04 06 02.50	-0.0075	-0.144	5.23	2	5.69	2	5.71	2	F5IV		126428	D	
2083	2 LAM	EQU	20 59 44.492	+06 58 55.48	-0.0006	-0.008	6.64	4					F8	4	126482	D	
2084	4	ERI	02 55 10.270	-24 03 41.80	+0.0069	-0.027	5.45	2	5.68	2			A4		168183		
2085	5	ERI	02 57 09.496	-02 39 46.32	-0.0011	-0.021	5.56	2	5.48	2	5.29	2	B9		130228	V?	
2086	6	ERI	02 55 52.169	-23 48 22.53	+0.0041	+0.053	5.84	2	7.17	2			GK2		168191		
2087	12	ERI	= ALP FOR														
2088	14	ERI	03 14 10.186	-09 20 18.49	-0.0008	+0.050	6.14	2	6.54	2	6.50	2	DF4		130395		
2089	15	ERI	03 16 09.419	-22 41 34.59	+0.0010	+0.014	4.88	2	5.78	2			G66		168452	D	
2090	20	ERI	03 34 00.593	-17 37 53.15	+0.0014	-0.007	5.23	2	5.10	2			A0SI		149063		
2091	21	ERI	03 36 32.849	-05 47 06.61	-0.0013	-0.203	5.96	2	6.88	2	7.54	2	DK1		130634		
2092	22	ERI	03 38 09.643	-05 22 15.47	-0.0005	-0.006	5.53	2	5.38	2	4.81	2	B8		130652		
2093	24	ERI	03 41 57.943	-01 19 10.07	-0.0002	-0.003	5.25	2	5.15	2	4.76	2	B7IV		130698		
2094	25	ERI	03 42 22.897	-00 27 09.50	+0.0035	+0.002	5.55	2	6.97	2	8.69	2	K4III		130704		
2095	30	ERI	03 50 13.259	-05 30 33.52	-0.0011	-0.009	5.48	2	5.38	2	4.97	2	B8		130789	D	
2096	35	ERI	03 58 59.843	-01 41 18.14	+0.0013	-0.014	5.28	2	5.13	2	4.58	2	B5V		130878		
2097	37	ERI	04 07 56.008	-07 03 11.61	-0.0006	-0.012	5.44	2	6.38	2	7.05	2	G66		131001		
2098	44	ERI	04 25 56.882	+01 16 17.25	+0.0009	-0.019	5.55	2	5.45	2	4.90	2	B8		111845		68
2099	45	ERI	04 29 19.048	-00 08 59.17	-0.0001	-0.007	4.91	2	6.22	2	7.65	2	K3II-III		131270		
2100	46	ERI	04 31 28.395	-06 50 32.55	-0.0004	-0.006	5.72	2	5.59	2	5.13	2	B9		131309	D	

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2101	47	ERI	04 31 46.974	-08 20 04.58	-0.0022	+0.005	5.11	2	6.81	2	8.83	2	GM3		131315	V?	69
2102	49	ERI	04 34 38.893	+00 53 54.65	-0.0006	-0.003	5.31	2	5.19	2	4.75	2	B7V		111928		
2103	55	A ERI	04 41 11.099	-08 53 17.64	+0.0017	-0.024	6.67						G8III		131443	D	
2104	55	B ERI	04 41 10.619	-08 53 09.96	+0.0010	-0.012	6.00	2	6.63	2	6.96	2	F2IIIP		131442	D	
2105	56	ERI	04 41 41.033	-08 35 43.95	-0.0003	-0.002	5.91	2	5.80	2	4.99	2	B5		131451		
2106	58	ERI	04 45 21.453	-17 01 28.54	+0.0088	+0.171	5.51	2	6.15	2			DG1		149888		
2107	59	ERI	04 46 17.395	-16 25 00.42	-0.0002	+0.036	5.77	2	6.32	2			DF6		149901		
2108	60	ERI	04 47 56.261	-16 18 09.83	+0.0024	+0.054	5.16						K0III		149924	V?	
2109	63	ERI	04 57 28.359	-10 20 06.42	+0.0014	-0.135	5.69						DG4		150060		
2110	66	ERI	05 04 17.220	-04 43 13.98	+0.0007	+0.009	5.14	2	5.08	2	4.90	2	B9		131777	DV?	
2111	68	ERI	05 06 14.847	-04 31 10.68	+0.0026	+0.018	5.12	2	5.56	2	5.51	2	F5V		131813		
2112	39	A ERI	04 12 00.832	-10 22 44.97	-0.0010	-0.162	4.86	2	6.04	2	7.18	2	K3III		149478	D	
2113	62	-B ERI	04 53 56.292	-05 14 56.71	-0.0009	-0.006	5.51	2	5.38	2	4.82	2	B9		131614		
2114	51	-C ERI	04 35 04.971	-02 34 19.20	+0.0025	-0.059	5.23	2	5.51	2	5.55	2	A4		131358	D	
2115		-D ERI	04 18 17.209	-07 42 38.55	-0.0002	-0.006	5.85	2	5.72	2	5.23	2	B5III		131132		
2116		-E ERI	03 17 55.851	-43 15 35.73	+0.2783	+0.748	4.270	1	4.980	1	5.200	1	G5V		216263		
2117		-F 1 ERI	03 46 44.672	-37 46 26.24	+0.0044	-0.010	5.338	2	5.328	2	5.288	2	A0		194550	DV?	70
2118		-G 2 ERI	03 46 45.045	-37 46 19.90	+0.0061	-0.022	4.778	2	4.768	2	4.728	2	A0		194551	DV?	71
2119		-H ERI	03 47 34.895	-36 21 02.40	-0.0043	-0.049	4.170	1	5.120	1	5.800	1	G5III		194559		
2120		-I ERI	03 40 58.757	-37 28 13.25	-0.0079	-0.070	4.585	1	5.785	1	7.095	1	GK2		194475	D	
2121	53	-L ERI	04 35 53.315	-14 24 01.60	-0.0055	-0.161	3.870	1	4.960	1	5.990	1	K2III		149781	D	
2122		-P ERI	01 37 54.263	-56 26 52.43	+0.0337	+0.027	5.07	2	5.95	2			K0V		232490	D	
2123		-Q 1 ERI	01 40 33.854	-53 59 26.95	+0.0194	-0.086	5.56						G60		232501		
2124		-Q 2 ERI	01 44 12.016	-53 46 20.62	+0.0150	+0.073	5.04	2	5.08	2			A0		232520		
2125		R ERI	04 53 03.783	-16 29 50.18	+0.0000	+0.045	5.72	2	6.60	2			G64		149988	V	
2126	64	S ERI	04 57 36.240	-12 36 35.31	+0.0026	-0.091	4.78	2	5.04	2	5.21	2	F0IV		150064	V	
2127		-S ERI	02 37 53.568	-43 06 19.75	+0.0087	-0.021	4.750	1	4.810	1	4.870	1	A2V		215996	D	
2128		T ERI	03 53 05.584	-24 10 40.65	+0.0030	-0.007	7.4	4					M4E	4	168950	V	
2129		V ERI	04 02 01.573	-15 51 39.31	+0.0009	-0.028	8.0	6					M6	6	149350	V	
2130	17	-V ERI	03 28 08.031	-05 14 43.17	+0.0006	+0.010	4.73	2	4.64	2	4.37	2	B8V		130528		
2131	32	-W 1 ERI	03 51 46.545	-03 05 57.22	+0.0016	+0.010	6.098	2	6.778	2	7.198	2	A1V		130805	D	72
2132	32	-W 2 ERI	03 51 46.679	-03 06 04.36	+0.0016	+0.005	4.719	2	5.399	2	5.819	2	G8III		130806	D	73
2133		-Y ERI	03 35 17.911	-40 26 15.91	-0.0013	-0.026	4.580	1	5.620	1	6.390	1	K0III		216405		
2134		Z ERI	02 45 32.104	-12 40 04.33	+0.0001	-0.036	6.4						M4III		148612	V	
2135	AS	ERI	03 29 54.634	-03 28 52.48	-0.0030	-0.033	8.2	6					A0	6	130554	V	
2136	BM	ERI	04 11 06.901	-10 30 46.35	+0.0007	-0.027	7.9	6					M3	6	149466	V	
2137	BR	ERI	03 46 20.841	-07 10 00.14	+0.0008	-0.025	7.8	6					MB	6	130743	V	
2138	BT	ERI	03 32 41.545	-39 34 41.88	-0.0011	-0.029	9.4	6					A0	6	194383	V	
2139	BV	ERI	03 49 30.314	-10 40 39.04	-0.0034	-0.134	8.5	6					F2	6	149215	V	
2140	BW	ERI	04 04 33.905	-27 48 06.35	-0.0015	+0.000	9.2	6					A3	6	169130	V	
2141	CC	ERI	02 32 28.419	-44 00 38.91	+0.0053	-0.301	8.8	6					K5	6	215947	V	
2142	CD	ERI	03 45 20.760	-08 45 52.32	-0.0012	+0.002	9.1	6					A0	6	130726	V	
2143	CO	ERI	02 33 46.722	-45 17 12.97	+0.0031	-0.003	9.4	6					G0	7	215955	V	
2144	CS	ERI	02 35 10.864	-43 10 47.27	+0.0080	+0.009	9.0	6	9.16	7	9.29	7	A2	6	215966	V	
2145	CT	ERI	04 27 31.924	-33 41 04.34	-0.0017	+0.006	10.0	6					F0	6	195061	V	
2146	CU	ERI	02 44 34.929	-13 33 00.24	+0.0037	+0.038	8.4	6					G5	6	148600	V	
2147	7	CV ERI	02 58 19.598	-03 04 33.63	+0.0010	+0.009	6.11	2	7.88	2	9.95	2	GM1		130242	V	
2148		CW ERI	03 01 41.412	-17 55 56.91	+0.0041	-0.021	7.8	6					F0	6	148743	V	
2149		CX ERI	04 01 40.592	-39 30 54.46	-0.0006	+0.029	8.9	6					MA	6	194722	V	
2150		CY ERI	04 03 30.969	-10 25 48.27	+0.0018	-0.003	7.30	4	8.91	7	10.70	7	GM4	7	149368	V	

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2151	CZ ERI	04 05 38.603	-39 37 51.87		+0.0009	+0.000	8.6	6					MA	6	194779	V	
2152	DD ERI	04 06 30.612	-08 13 54.52		-0.0015	-0.019	8.7	6					MC	6	130984	V	
2153	DE ERI	04 08 52.527	-20 10 48.18		-0.0001	+0.002	8.4	6					M2	6	169201	V	
2154	DF ERI	04 11 17.765	-36 40 16.30		+0.0026	+0.019	8.1	6					MA	6	194838	V	
2155	DG ERI	04 18 25.810	-16 56 55.91		-0.0004	-0.037	7.32	4					M5II	7	149559	V	
2156	DH ERI	04 21 38.850	-27 56 41.89		+0.0003	+0.041	7.9	6					M3	6	169405	V	
2157	DL ERI	03 54 13.932	-09 53 41.18		+0.0027	+0.017	6.19	2	6.47	2			F0	6	130833	V	
2158	54 DM ERI	04 38 15.153	-19 45 58.40		+0.0011	-0.096	4.34	2	5.95	2	7.73	2	GM4	6	149818	DV	
2159	RR ERI	02 49 47.096	-08 28 16.65		-0.0004	-0.018	8.0	6					M5III	7	130157	V	
2160	RU ERI	03 52 25.246	-15 04 49.56		+0.0007	-0.062	9.1	6					F8	6	149243	V	
2161	RX ERI	04 47 28.532	-15 49 35.28		-0.0035	-0.030	9.1	6					F2	6	149918	V	
2162	RY ERI	03 56 42.201	-17 22 16.85		+0.0010	+0.009	9.4	6					G0	6	149294	V	
2163	RZ ERI	04 41 24.006	-10 46 29.31		+0.0011	-0.006	8.1	6					A5	6	149847	V	
2164	SU ERI	03 48 54.689	-01 31 13.81		-0.0011	-0.012	8.6	6					MC	6	130773	V	
2165	SY ERI	05 07 20.877	-05 34 37.58		-0.0002	+0.015	8.7	6					NB	6	131832	V	
2166	TZ ERI	04 19 12.984	-06 08 09.35		-0.0009	-0.037	9.0	6					A5	6	131144	V	
2167	UU ERI	04 34 32.837	-27 40 43.60		+0.0020	+0.016	9.0	6					M7	6	169608	V	
2168	VW ERI	03 19 16.438	-21 38 09.20		+0.0053	+0.020	8.8	6					K7	6	168483	V	
2169	VX ERI	03 22 47.074	-12 31 48.47		+0.0011	+0.012	8.7	6					M3	6	148953	V	
2170	YY ERI	04 09 46.525	-10 35 43.58		-0.0077	-0.122	8.4	6					G5	6	149449	V	
2171	ALP ERI	01 35 51.307	-57 29 24.93		+0.0129	-0.028	4.80	1	0.320	1	-0.350	1	B5IV		232481		
2172	67 BET ERI	05 05 23.365	-05 08 58.54		-0.0067	-0.080	2.790	1	2.920	1	3.020	1	A3III		131794	V?	
2173	34 GAM ERI	03 55 41.672	-13 38 58.17		+0.0039	-0.110	2.940	1	4.540	1	6.520	1	M0III		149283	D	
2174	23 DEL ERI	03 40 51.035	-09 55 53.05		-0.0067	+0.746	3.540	1	4.460	1	5.130	1	K0IV		130686		
2175	18 EPS ERI	03 30 34.355	-09 37 34.76		-0.0662	+0.019	3.730	1	4.610	1	5.190	1	K2V		130564		
2176	13 ZET ERI	03 13 24.143	-09 00 15.50		-0.0006	+0.049	4.80	2	5.03	2	5.12	2	A M		130387		
2177	3 ETA ERI	02 53 58.952	-09 05 45.89		+0.0050	-0.217	3.870	1	4.990	1	5.970	1	K1III		130197		
2178	THE- 1 ERI	02 56 21.882	-40 30 15.15		-0.0045	+0.023	2.554	1	2.674	1	2.794	1	A3V		216113	DV?	74
2179	THE- 2 ERI	02 56 22.578	-40 30 14.34		-0.0062	+0.022	3.554	1	3.674	1	3.794	1	A2		216114	DV?	75
2180	IOT ERI	02 38 41.625	-40 04 06.78		+0.0117	-0.025	4.110	1	5.130	1	5.870	1	K0III		215999		
2181	KAP ERI	02 25 09.162	-47 55 39.34		+0.0022	-0.005	4.25	2	4.11	2	3.61	2	B5III		215906		
2182	69 LAM ERI	05 06 45.092	-08 49 00.32		-0.0003	-0.004	4.27	2	4.07	2	3.17	2	B2IV		131824	V?	
2183	57 MU ERI	04 42 59.993	-03 20 41.33		+0.0007	-0.011	4.020	1	3.860	1	3.260	1	B5IV		131468		
2184	48 NU ERI	04 33 49.094	-03 27 11.62		-0.0001	-0.003	3.920	1	3.710	1	2.830	1	B2III		131346	V	
2185	42 XI ERI	04 21 11.310	-03 51 34.77		-0.0036	-0.054	5.17	2	5.25	2	5.33	2	A2V		131176		
2186	38 OMI- 1 ERI	04 09 25.339	-06 57 59.74		+0.0003	+0.083	4.050	1	4.380	1	4.530	1	F2III		131019	V	
2187	40 OMI- 2 ERI	04 12 58.161	-07 43 45.89		-0.1501	-3.420	4.43	2	5.25	2	5.69	2	K1V		131063	D	
2188	26 PI ERI	03 43 46.541	-12 15 25.99		+0.0028	+0.059	4.42	2	6.04	2	8.05	2	GM2		149158	V	
2189	8 RHO- 1 ERI	02 58 42.365	-07 51 31.98		+0.0062	-0.067	5.75	2	6.80	2	7.67	2	D66		130243		
2190	9 RHO- 2 ERI	03 00 14.892	-07 52 51.43		+0.0028	+0.001	5.32	2	6.26	2	6.99	2	G65		130254	D	
2191	10 RHO- 3 ERI	03 01 48.952	-07 47 43.01		+0.0034	+0.015	5.26	2	5.46	2	5.55	2	A4		130269		
2192	SIG ERI	03 51 44.547	-34 52 45.21		+0.0027	-0.011	5.11	2	4.98	2			B6IV		194608		
2193	1 TAU- 1 ERI	02 42 46.063	-18 46 59.50		+0.0229	+0.042	4.46	2	4.94	2	4.94	2	F6V		148584		
2194	2 TAU- 2 ERI	02 48 46.150	-21 12 32.91		-0.0038	-0.018	4.77	2	5.67	2	6.28	2	K0III		168094	D	
2195	11 TAU- 3 ERI	03 00 11.170	-23 49 10.10		-0.0107	-0.051	4.090	1	4.250	1	4.330	1	A5V		168249		
2196	16 TAU- 4 ERI	03 17 17.471	-21 56 19.62		+0.0034	+0.036	3.700	1	5.320	1	7.130	1	GM3		168460	DV	
2197	19 TAU- 5 ERI	03 31 34.657	-21 47 57.95		+0.0029	-0.024	4.28	2	4.16	2	3.81	2	B8V		168634		
2198	27 TAU- 6 ERI	03 44 41.716	-23 23 46.59		-0.0118	-0.527	4.23	2	4.65	2	4.66	2	F3V		168827		
2199	28 TAU- 7 ERI	03 45 30.513	-24 01 42.50		+0.0028	+0.050	5.24	2	5.31	2			A2		168836		
2200	33 TAU- 8 ERI	03 51 34.897	-24 45 33.23		+0.0014	-0.014	4.65	2	4.52	2	4.04	2	B5V		168925		

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2201	36 TAU- 9	ERI	03 57 47.470	-24 09 25.12		+0.0004	+0.011	4.66	2	4.52	2	4.11	2	A SI	169017		
2202	50 UPS- 1	ERI	04 31 32.818	-29 51 59.49		-0.0081	-0.274	4.510	1	5.490	1	6.200	1	GG6	169570	V?	
2203	52 UPS- 2	ERI	04 33 36.315	-30 39 48.98		-0.0037	-0.012	3.820	1	4.800	1	5.520	1	K0III	195148		
2204	43 UPS- 3	ERI	04 22 09.409	-34 07 54.81		+0.0050	+0.051	3.960	1	5.450	1	7.250	1	M1III	194984		
2205	41 UPS- 4	ERI	04 16 00.036	-33 55 09.65		+0.0049	-0.006	3.560	1	3.440	1	3.070	1	B8.5V	194902	D	
2206	PHI	ERI	02 14 43.421	-51 44 34.89		+0.0102	-0.022	3.565	1	3.445	1	3.055	1	B8V	232696	D	
2207	CHI	ERI	01 54 00.823	-51 51 25.74		+0.0733	+0.299	3.690	1	4.540	1	5.000	1	G5IV	232573	D	
2208	65 PSI	ERI	04 59 00.759	-07 14 44.98		-0.0002	+0.008	4.81	2	4.62	2	3.87	2	B2V	131700		
2209	61 OME	ERI	04 50 26.131	-05 32 05.45		-0.0016	+0.022	4.40	2	4.63	2	4.81	2	A9IV	131568		
2210	S	FOR	03 44 04.598	-24 32 45.66		+0.0007	+0.004	8.2	6					F8	168815	DV	
2211	I	FOR	03 27 29.439	-28 34 26.07		+0.0038	+0.006	9.2	6						168584	V	
2212	X	FOR	02 40 45.301	-26 19 50.70		+0.0012	-0.032	8.6	6					M3	167998	V	
2213	RY	FOR	03 13 42.878	-24 52 33.62		+0.0013	+0.040	9.0	6					M	168423	V	
2214	RZ	FOR	03 30 18.612	-25 49 35.35		-0.0016	-0.004	8.0	6					M5	168619	V	
2215	SS	FOR	02 05 36.058	-27 06 05.94		+0.0063	-0.026	9.2	6	9.270	7			G0	167572	V	
2216	SV	FOR	01 56 06.199	-24 37 19.28		-0.0043	-0.029	9.5	6					F5	167442	V	
2217	TT	FOR	01 55 39.803	-26 43 31.02		-0.0012	+0.006	9.0	6	10.62	7	11.94	7	M2	167437	V	
2218	ALP	FOR	03 09 56.750	-29 10 59.42		+0.0254	+0.644	3.850	1	4.360	1	4.410	1	F8IV	168373	DV?	
2219	BET	FOR	02 46 59.844	-32 36 54.11		+0.0071	+0.159	4.460	1	5.450	1	6.140	1	G6III	193931		
2220	GAM- 1	FOR	02 47 38.022	-24 45 53.61		-0.0034	-0.124	6.14	2	7.21	2			G5	168081	D	
2221	GAM- 2	FOR	02 47 44.149	-28 08 54.38		+0.0033	+0.032	5.39	2	5.41	2			A1	168082		
2222	DEL	FOR	03 40 15.499	-32 05 49.36		+0.0004	+0.017	5.000	1	4.840	1	4.240	1	B5	194467		
2223	EPS	FOR	02 59 28.210	-28 16 54.52		+0.0205	-0.420	5.89	2	6.68	2			G5IV	168238		
2224	ZET	FOR	02 57 23.999	-25 28 24.57		+0.0130	+0.091	5.71	2	6.11	2			A9N	168209		
2225	ETA- 1	FOR	02 45 31.970	-35 45 29.85		-0.0038	-0.035	6.51						K0	193916		
2226	ETA- 2	FOR	02 48 13.441	-36 02 59.58		+0.0043	+0.025	5.82						K0	193940	D	
2227	ETA- 3	FOR	02 48 39.120	-35 52 50.71		+0.0001	-0.057	5.49						GK5	193944		
2228	IOT- 1	FOR	02 33 59.875	-30 15 42.80		-0.0013	+0.005	5.75	2	6.77	2			G5	193795		
2229	IOT- 2	FOR	02 36 09.263	-30 24 31.20		+0.0076	-0.083	5.83	2	6.31	2			DF6	193829		
2230	KAP	FOR	02 20 15.244	-24 02 33.76		+0.0144	-0.056	5.20	2	5.80	2			G1V	167736		
2231	LAM- 1	FOR	02 31 01.901	-34 52 08.82		-0.0016	-0.016	5.88						GK0	193763		
2232	LAM- 2	FOR	02 34 54.007	-34 47 27.43		-0.0015	-0.266	5.79	2	6.45	2			DG1	193811		
2233	MU	FOR	02 10 42.374	-30 57 27.38		+0.0015	+0.010	5.28	2	5.26	2			A1V	193573		
2234	NU	FOR	02 02 14.967	-29 32 09.81		+0.0008	+0.010	4.690	1	4.520	1	4.010	1	A0SI	167532	V?	
2235	PI	FOR	01 59 00.799	-30 14 28.88		-0.0082	-0.105	5.35	2	6.23	2			G5III	193455		
2236	RHO	FOR	03 45 54.769	-30 19 03.33		+0.0020	-0.243	5.54	2	6.52	2			G65	194535	V?	
2237	SIG	FOR	03 44 25.013	-29 29 32.61		+0.0000	+0.014	5.90	2	6.02	2			A2	168820	D	
2238	TAU	FOR	03 36 42.771	-28 06 19.13		+0.0014	+0.030	6.01	2	5.99	2			A0V	168701		
2239	UPS- 1	FOR	02 46 38.139	-37 36 32.08		+0.0057	+0.070	7.0	4					F2	193926	D	
2240	UPS- 2	FOR	02 46 38.503	-37 36 35.51		+0.0073	+0.099	8.5	4						193927	D	
2241	PHI	FOR	02 25 54.739	-34 02 03.17		+0.0011	+0.010	5.14	2	5.24	2			A2IV	193723		
2242	CHI- 1	FOR	03 23 59.765	-36 05 42.54		+0.0019	-0.004	6.39	2	6.47	2			A2	194289	V?	
2243	CHI- 2	FOR	03 25 37.066	-35 51 15.67		+0.0056	-0.009	5.71	2	7.00	2			K0	194312		
2244	CHI- 3	FOR	03 26 15.664	-36 01 31.66		+0.0020	-0.000	6.50	2	6.63	2			A0	194318	D	
2245	PSI	FOR	02 51 36.750	-38 38 26.09		+0.0040	+0.044	5.92	2	6.36	2			DF7	193965		
2246	OME	FOR	02 31 39.261	-28 27 04.49		-0.0017	-0.009	4.890	1	4.830	1	4.690	1	B9	167882	D	
2247	1	GEM	06 01 04.774	+23 16 04.51		-0.0004	-0.102	4.15	2	5.02	2	5.54	2	G65	77915	D	
2248	2	GEM	06 03 45.686	+23 38 42.05		-0.0002	-0.004	6.89	4					K0	77971	D	
2249	3	GEM	06 06 41.773	+23 07 24.41		+0.0006	-0.002	5.76	2	5.96	2	5.32	2	B2.5IB	78050	D	
2250	4	GEM	06 07 27.856	+23 00 31.53		-0.0004	-0.005	6.68	4					B9	78063		

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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2251	5	GEM	06 08 28.241	+24 25 59.08	-0.0002	-0.055	5.90						GK0		78079		
2252	8	GEM	06 13 15.702	+23 59 16.91	-0.0010	-0.010	6.09	2	6.99	2	7.61	2	G5III		78168		
2253	9	GEM	06 13 55.636	+23 45 34.84	+0.0001	-0.002	6.25	2	6.70	2	6.31	2	B3IAB		78176		
2254	10	GEM	06 15 51.567	+23 37 27.97	-0.0001	-0.010	6.59	4					G5	4	78210		
2255	12	GEM	06 16 20.128	+23 17 46.15	+0.0000	-0.007	7.03	4					B9	4	78225		
2256	14	GEM	06 22 42.632	+21 40 28.31	-0.0007	-0.015	6.65	4					G5	4	78355		
2257	15	GEM	06 24 47.704	+20 49 18.71	-0.0027	-0.049	6.55	4					K0	4	78395	D	
2258	16	GEM	06 24 58.201	+20 31 41.13	-0.0024	+0.005	6.06		6.070				A2V		78402		
2259	19	GEM	06 28 44.798	+15 56 24.67	-0.0011	-0.017	6.35						A5		95778		
2260	20	A GEM	06 29 23.414	+17 49 17.07	+0.0025	-0.030	7.24	4					F8	4	95795	D	
2261	20	B GEM	06 29 22.716	+17 48 59.94	+0.0030	+0.033	7.78	4					F8	4	95794	D	
2262	22	GEM	06 31 42.208	+19 28 09.56	+0.0000	-0.010	6.88	4					A0	4	95852		
2263	23	GEM	06 33 08.384	+16 50 21.47	+0.0012	-0.029	6.69	4					F5	4	95889		
2264	25	GEM	06 38 11.875	+28 14 40.66	+0.0007	-0.010	6.39						G5I8		78636		
2265	26	GEM	06 39 29.620	+17 41 45.37	+0.0004	-0.089	5.10		5.160				A2V		96015		
2266	28	GEM	06 41 35.355	+29 01 24.11	-0.0006	-0.027	5.48						GK4		78692	V?	
2267	30	GEM	06 41 10.098	+13 16 48.38	-0.0002	-0.060	4.49	2	5.65	2	6.82	2	K1III		96051	D	
2268	32	GEM	06 43 05.673	+12 44 50.38	-0.0000	-0.000	6.39						F0		96084	V?	
2269	33	GEM	06 46 57.130	+16 15 40.93	-0.0013	-0.012	5.73		5.590				B8III		96161		
2270	35	GEM	06 47 36.143	+13 28 20.57	-0.0002	-0.004	5.74						GK3		96179		
2271	37	GEM	06 52 14.197	+25 26 24.14	-0.0030	+0.020	5.67						DG0		78866		
2272	39	GEM	06 55 42.522	+26 08 55.02	-0.0124	-0.091	6.02						DF4		78929		
2273	40	GEM	06 56 22.736	+25 59 02.04	-0.0007	-0.009	6.28		6.140				B8III		78947		
2274	41	GEM	06 57 23.407	+16 08 58.89	-0.0005	-0.008	5.62						CK4		96363		
2275	44	GEM	07 02 17.795	+22 42 50.54	-0.0003	-0.015	5.87		5.840				B9.5V		79042		
2276	45	GEM	07 05 29.997	+16 00 44.16	-0.0005	-0.102	5.41						G68		96535	D	
2277	47	GEM	07 08 17.068	+26 56 25.81	-0.0016	-0.040	5.58		5.700				A4V		79141		
2278	48	GEM	07 09 24.141	+24 12 50.05	-0.0015	-0.050	5.86	2	6.23	2			GF4		79162		
2279	49	GEM	07 09 44.906	+25 50 01.82	-0.0007	-0.013	6.89	4					A0	4	79172		
2280	52	GEM	07 11 38.548	+24 58 24.86	+0.0036	-0.094	5.82	2	7.38	2	9.21	2	M1III		79199	DV?	
2281	53	GEM	07 12 49.878	+27 59 10.63	-0.0011	-0.001	5.70						GM1		79221	V?	
2282	56	GEM	07 18 59.879	+20 32 22.78	-0.0046	-0.030	5.06						GM0		79328	D	
2283	58	GEM	07 20 27.965	+23 02 35.89	-0.0015	-0.038	5.96		5.950				A1V		79354		
2284	59	GEM	07 21 26.869	+27 44 10.82	+0.0010	+0.015	5.64						GF0?		79366		
2285	61	GEM	07 23 59.537	+20 21 32.39	-0.0003	-0.022	5.80						A6N		79391		
2286	63	GEM	07 24 46.354	+21 32 56.83	-0.0040	-0.124	5.18						F5IV-V		79403	D	
2287	67	GEM	07 30 33.687	+15 44 52.79	-0.0005	-0.007	6.67	4					K0	4	97012		
2288	68	GEM	07 30 45.308	+15 56 08.79	-0.0013	-0.015	5.11		5.160				A1V		97016		
2289	70	GEM	07 35 16.127	+35 09 44.62	+0.0030	+0.027	5.49						GG5		60243	D	
2290	79	GEM	07 42 13.283	+20 26 16.20	-0.0009	+0.005	6.26		6.260				A0V		79665		
2291	82	GEM	07 45 34.367	+23 15 59.26	-0.0007	+0.005	6.13						DF3+A		79704	D	
2292	84	GEM	07 50 02.935	+22 27 52.83	-0.0004	-0.009	7.12	4					K0	4	79768		
2293	85	GEM	07 52 44.904	+20 01 03.24	-0.0013	-0.043	5.31		5.270				B9.5V		79799		
2294	57	A GEM	07 20 25.700	+25 08 54.35	-0.0050	-0.025	4.97						G8III		79352		
2295	64	-B- 1 GEM	07 26 13.626	+28 13 22.79	-0.0030	-0.058	4.99		5.100				A6V		79427		
2296	65	-B- 2 GEM	07 26 42.249	+28 01 15.81	-0.0025	-0.026	4.92						K2III		79434	D	
2297	76	-C GEM	07 41 04.022	+25 54 17.99	-0.0014	-0.018	5.24						K5III		79650		
2298	36	-D GEM	06 48 33.241	+21 49 19.14	-0.0007	-0.034	5.18		5.160				A2V		78805	D	
2299	38	-E GEM	06 51 49.416	+13 14 34.72	+0.0053	-0.084	4.65	2	4.95	2	5.03	2	F0VP		96265	DV?	
2300	74	-F GEM	07 36 35.413	+17 47 24.19	+0.0004	+0.001	5.07						GM0		97120	V?	

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2301	81 -G	GEM 07 43 13.834	+18 38 00.94		-0.0051	-0.062	4.87	2	6.33	2	8.09	2	K5III		97221		
2302	R	GEM 07 04 20.784	+22 46 56.72		+0.0003	-0.004	6.5						S3-9E		79070	V	
2303	S	GEM 07 40 02.578	+23 34 08.63		-0.0011	-0.003	8.3	4					M4E	4	79635	V	
2304	T	GEM 07 46 18.127	+23 51 38.78		-0.0007	+0.007	8.0	4					SE	4	79717	V	
2305	W	GEM 06 32 05.556	+15 22 16.39		+0.0006	+0.001	6.7	4	7.450	7			G5	4	95862	V	
2306	AA	GEM 06 03 28.143	+26 20 06.85		-0.0015	-0.016	9.2	6	10.100	7			K0	6	77963	V	
2307	BK	GEM 06 27 08.556	+13 38 59.34		-0.0001	-0.002	8.6	6					K5	6	95749	V	
2308	BN	GEM 07 34 13.366	+17 01 01.52		-0.0005	-0.010	7.7	5					OBVPE	7	97083	V	
2309	51 BQ	GEM 07 10 30.024	+16 14 43.74		+0.0010	-0.044	5.08						M4III		96638	V	
2310	6 BU	GEM 06 09 17.174	+22 55 17.93		+0.0002	-0.005	6.11						M1IA		78098	V	
2311	IS	GEM 06 46 25.847	+32 39 55.87		-0.0034	-0.041	5.71						GK4		95521	V	
2312	LR	GEM 06 12 14.344	+22 19 04.05		+0.0002	-0.005	8.6	6	9.24	7			B0IV	7	78145	V	
2313	LT	GEM 06 15 22.808	+23 35 30.88		+0.0003	-0.004	8.9	6	9.26	7			B1V	7	78198	V	
2314	11 LU	GEM 06 16 16.633	+23 29 27.35		+0.0001	-0.007	7.33	4					B0	4	78222	V	
2315	NP	GEM 06 59 31.035	+17 49 42.62		+0.0011	-0.042	6.00	7	7.59	7			M1	7	96407	V	
2316	NQ	GEM 07 28 52.664	+24 36 37.75		+0.0004	-0.001	8.0	6					C1-C6.5.3E	7	79474	V	
2317	RX	GEM 06 46 54.935	+33 17 51.72		-0.0012	-0.019	9.0	6					A2	6	59533	V	
2318	RY	GEM 07 24 32.914	+15 45 42.87		+0.0004	-0.017	9.0	6					A2	6	96912	V	
2319	SS	GEM 06 05 33.530	+22 37 32.77		-0.0000	-0.001	9.3	7					G5	6	78024	V	
2320	TU	GEM 06 07 46.805	+26 01 34.74		+0.0006	-0.007	7.4	4					NA	4	78066	V	
2321	TV	GEM 06 08 50.908	+21 52 51.61		+0.0002	+0.014	7.0						M1IAB		78092	V	
2322	TW	GEM 07 04 17.604	+22 35 15.40		-0.0004	-0.015	7.8	5					M0III	7	79067	V	
2323	VW	GEM 06 38 54.561	+31 30 13.51		-0.0009	-0.026	8.1	6					C3-9	7	59383	V	
2324	WY	GEM 06 08 53.910	+23 13 10.94		+0.0005	-0.001	7.43	5					M2IABEP+B	7	78094	V	
2325	YY	GEM 07 31 26.284	+31 58 50.39		-0.00154	-0.108	9.1	4					DM1E		60199	DV	
2326	66 ALP	GEM 07 31 24.654	+31 59 59.07	C	-0.0134	-0.102	1.580	1	1.620	1	1.630	1	A1V+AM		60198	D	
2327	78 BET	GEM 07 42 15.517	+28 08 55.11		-0.0474	-0.051	1.140	1	2.140	1	3.000	1	K0III		79666	DV?	
2328	24 GAM	GEM 06 34 49.396	+16 26 37.40		+0.0030	-0.044	1.920	1	1.920	1	1.970	1	A0IV		95912		
2329	55 DEL	GEM 07 17 08.265	+22 04 34.08		-0.0018	-0.014	3.530	1	3.870	1	3.910	1	F0IV		79294	D	
2330	27 EPS	GEM 06 40 51.363	+25 10 56.92		-0.0003	-0.015	2.980	1	4.380	1	5.840	1	G8IB		78682	DV?	
2331	43 ZET	GEM 07 01 08.627	+20 38 43.45		-0.0006	-0.003	3.650	1	4.340	1	4.820	1	F7IB		79031	DV	
2332	7 ETA	GEM 06 11 51.508	+22 31 23.36		-0.0048	-0.013	3.280	1	4.890	1	6.550	1	M3III		78135	DV	
2333	34 THE	GEM 06 49 29.672	+34 01 24.57		-0.0001	-0.051	3.600	1	3.700	1	3.840	1	A3III		59570	D	
2334	60 IOT	GEM 07 22 37.375	+27 53 57.17		-0.0091	-0.088	3.790	1	4.830	1	5.670	1	K0III		79374		
2335	77 KAP	GEM 07 41 25.857	+24 31 10.48		-0.0022	-0.055	3.570	1	4.490	1	5.190	1	G8III		79653	D	
2336	54 LAM	GEM 07 15 13.198	+16 37 56.12		-0.0034	-0.039	3.580	1	3.700	1	3.790	1	A3V		96746	DV?	
2337	13 MU	GEM 06 19 56.096	+22 32 27.98		+0.0040	-0.112	2.870	1	4.510	1	6.370	1	M3III		78297	DV	
2338	18 NU	GEM 06 25 59.627	+20 14 44.06		-0.0004	-0.017	4.14	2	4.00	2	3.51	2	B7IVE		78423	D	
2339	31 XI	GEM 06 42 28.966	+12 57 04.31		-0.0079	-0.194	3.360	1	3.790	1	3.850	1	F5IV		96074	V?	
2340	71 OMI	GEM 07 35 54.293	+34 42 03.15		-0.0026	-0.114	4.91	2	5.31	2	5.42	2	F3III		60247		
2341	80 PI	GEM 07 44 17.114	+33 32 24.61		-0.0012	-0.031	5.14						GMO		60340	D	
2342	62 RHO	GEM 07 25 53.849	+31 53 08.32		+0.0118	+0.171	4.18	2	4.50	2	4.48	2	F0V		60118	D	
2343	75 SIG	GEM 07 40 11.382	+29 00 22.55		-0.0051	-0.234	4.29	2	5.41	2	6.38	2	K1III		79638	V?	
2344	46 TAU	GEM 07 07 57.505	+30 19 44.65		-0.0022	-0.047	4.42	2	5.68	2	7.08	2	K2III		59858	DV?	
2345	69 UPS	GEM 07 32 50.603	+27 00 30.99		-0.0025	-0.109	4.06	2	5.60	2	7.54	2	M0III		79533		
2346	83 PHI	GEM 07 50 26.354	+26 53 48.68		-0.0026	-0.034	4.98	2	5.07	2	5.18	2	A3V		79774		
2347	CHI	GEM 08 00 27.000	+27 56 10.14		-0.0019	-0.044	4.89						K2III		79896		
2348	PSI	= 15 BM CNC															
2349	42 OME	GEM 06 59 22.027	+24 17 18.71		-0.0005	-0.002	5.16		6.090				G5II		78999	V?	
2350	T	GRU 22 22 46.207	-37 49 23.55		-0.0046	-0.003	7.8	7					MD	6	213810	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2351	V	GRU	21 48 46.938	-42 36 28.97	-0.0016	-0.029	9.5	7					F5	6	230871	V	
2352	W	GRU	22 38 22.806	-44 06 08.43	+0.0004	-0.023	8.5	6					F5	6	231251	V	
2353	KS	GRU	21 39 48.169	-48 25 06.49	-0.0055	-0.024	8.0	6	8.160	7			A5	6	230806	V	
2354	RU	GRU	22 24 06.216	-37 26 36.66	+0.0002	-0.025	11.3	7					A0	6	213820	V	
2355	ALP	GRU	22 05 05.486	-47 12 14.54	+0.0128	-0.149	1.740	1	1.610	1	1.140	1	B5V		230992	DV?	
2356	BET	GRU	22 39 41.443	-47 08 48.19	+0.0135	-0.006	2.110	1	3.730	1	5.330	1	M3II		231258	V	
2357	GAM	GRU	21 50 54.450	-37 36 03.59	+0.0087	-0.017	3.010	1	2.890	1	2.520	1	B8III		213374		
2358	DEL - 1	GRU	22 26 17.342	-43 45 06.41	+0.0026	-0.003	3.970	1	5.000	1	5.810	1	G65		231154	V?	
2359	DEL - 2	GRU	22 26 46.699	-44 00 20.85	-0.0007	+0.005	4.110	1	5.680	1	7.380	1	GM6		231161	DV?	
2360	EPS	GRU	22 45 32.707	-51 34 49.24	+0.0117	-0.064	3.480	1	3.560	1	3.640	1	A2V		247593	V?	
2361	ZET	GRU	22 57 56.340	-53 01 21.83	-0.0069	-0.008	4.110	1	5.070	1	5.780	1	G5III		247680		
2362	ETA	GRU	22 42 34.442	-53 45 49.19	+0.0040	+0.024	4.850	1	6.030	1	7.100	1	GK2		247570	n	
2363	THE	GRU	23 04 04.199	-43 47 27.19	-0.0038	-0.018	4.290	1	4.720	1	4.880	1	F6IV		231444	D	
2364	IOT	GRU	23 07 32.182	-45 31 04.35	+0.0130	-0.021	3.900	1	4.920	1	5.780	1	K0III		231468		
2365	KAP	GRU	23 01 42.868	-54 14 00.86	+0.0064	-0.110	5.26						GK5		247711		
2366	LAM	GRU	22 03 06.497	-39 47 07.80	-0.0017	-0.117	4.460	1	5.830	1	7.490	1	K2III		213543		
2367	MU - 1	GRU	22 12 36.640	-41 35 46.57	+0.0045	+0.030	4.790	1	5.590	1	6.050	1	G64		231055		
2368	MU - 2	GRU	22 13 26.498	-41 52 36.93	-0.0006	-0.009	5.10	2	6.02	2			G65		231063		
2369	NU	GRU	22 25 43.747	-39 23 07.96	+0.0031	-0.164	5.47	2	6.42	2			G9III		213850	D	
2370	XI	GRU	21 28 56.364	-41 24 03.15	+0.0015	+0.008	5.29	2	6.39	2			GK0		230726		
2371	OMI	GRU	23 23 49.239	-52 59 55.03	+0.0037	+0.131	5.54						F3IV		247874		
2372	PI - 1	GRU	22 19 41.131	-46 12 02.35	+0.0006	-0.007	6.620	1	8.630	1	9.620	1	S4-7		231105	DV	
2373	PI - 2	GRU	22 20 04.223	-46 10 50.77	+0.0227	-0.046	5.62	2	5.98	2	5.99	2	F0IV		231111	D	
2374	RHO	GRU	22 40 36.447	-41 40 32.10	+0.0020	-0.089	4.850	1	5.880	1	6.690	1	G68		231265	D	
2375	SIG- 1	GRU	22 33 34.467	-40 50 28.61	+0.0038	-0.066	6.28	2	6.40	2			A4V		231211		
2376	SIG- 2	GRU	22 34 04.113	-40 50 59.56	+0.0032	-0.071	5.86	2	5.92	2			A2		231217	D	
2377	TAU- 1	GRU	22 50 40.838	-48 51 48.33	+0.0219	-0.073	6.04	2	6.66	2			G3IV		231343		
2378	TAU- 2	GRU	22 52 21.798	-48 45 34.00	-0.0221	+0.058	6.66	4					F5	4	231353		
2379	TAU- 3	GRU	22 53 53.411	-48 14 11.99	-0.0032	+0.009	5.90						A M		231364		
2380	UPS	GRU	23 04 06.933	-39 09 46.52	+0.0033	+0.017	5.61	2	5.62	2			A0V		214313	D	
2381	PHI	GRU	23 15 24.684	-41 05 46.60	+0.0118	-0.124	5.54	2	5.98	2			DF6		231539		
2382	2	HER	15 52 57.713	+43 16 59.72	-0.0034	+0.062	5.38	2	7.02	2	8.99	2	SGM3		45788		
2383	4	HER	15 53 49.450	+42 42 38.23	-0.0027	+0.013	5.58		5.460				B8		45790		
2384	8	HER	16 06 31.239	+17 20 13.86	-0.0015	-0.029	6.02		6.020				A0V		101962		
2385	9	HER	16 10 46.847	+05 08 50.90	+0.0028	-0.009	5.48						GK5		121431		
2386	12	HER	16 12 16.843	+07 58 59.09	-0.0011	-0.008	6.84	4					K0	4	121451		
2387	14	HER	16 08 46.841	+43 57 02.50	+0.0114	-0.304	6.54	4					K0	4	45933		
2388	15	HER	16 13 38.386	+11 32 52.74	-0.0030	+0.042	7.50	4					K0	4	102046		
2389	16	HER	16 13 15.577	+18 55 59.34	-0.0046	-0.080	5.72						GK3		102040		
2390	17	HER	16 14 08.665	+23 14 44.81	-0.0010	-0.014	6.59	4					K0	4	84274		
2391	19	HER	16 16 19.169	+26 01 02.13	-0.0006	+0.001	6.63						G5	4	84295		
2392	23	HER	16 21 01.191	+32 26 54.77	+0.0014	-0.010	6.12		6.180				A3V		65262	D	76
2393	25	HER	16 23 37.134	+37 30 24.63	-0.0002	-0.012	5.48						A3		65290		
2394	31	HER	16 29 37.876	+33 37 10.59	-0.0024	-0.020	6.74	4					A0	4	65360		
2395	32	HER	16 31 32.078	+30 36 09.90	-0.0031	-0.006	6.66	4					F0	4	65380	D	
2396	34	HER	16 28 43.475	+49 04 08.18	-0.0056	-0.064	6.22						A0		46128		
2397	39	HER	16 39 34.878	+27 00 43.06	+0.0000	-0.045	5.90						DF2		84543		
2398	41	HER	16 42 33.716	+06 10 57.17	-0.0142	-0.266	6.71	4					G5	4	121831		
2399	42	HER	16 37 23.247	+49 01 31.30	-0.0051	+0.031	5.92						GM2	4	46210	D	
2400	48	HER	16 47 18.435	+30 02 57.47	-0.0053	+0.076	6.68	4					K2	4	65577		

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2401	49	HER	16 49 48.129	+15 03 24.26	+0.0011	+0.002	6.38		6.330				A P		102435		
2402	50	HER	16 48 41.747	+29 53 26.33	-0.0005	-0.002	5.66						GM1		84641		
2403	51	HER	16 49 40.785	+24 44 21.21	+0.0009	+0.005	5.06						K2II-III	7	84651	DV	
2404	52	HER	16 47 46.246	+46 04 10.06	+0.0019	-0.057	4.82	2	4.91	2	4.93	2	A2P		46305		
2405	53	HER	16 51 04.150	+31 46 59.65	-0.0075	-0.019	5.28						DA8		65627		
2406	54	HER	16 53 10.220	+18 30 42.58	-0.0078	+0.012	5.35	2	6.76	2	8.42	2	K4III		102476	D	
2407	56	HER	16 52 59.215	+25 48 35.84	+0.0009	-0.022	6.08	2	7.00	2	7.62	2	G5III		84692	D	
2408	57	HER	16 55 27.727	+25 25 43.30	+0.0002	+0.012	6.55						GG5		84720		
2409	60	HER	17 03 03.442	+12 48 29.08	+0.0034	-0.011	4.61	2	5.03	2	5.09	2	A3IV		102544	D	
2410	61	HER	17 01 42.397	+35 29 01.32	+0.0024	-0.037	6.63						GM4		65761		
2411	62	HER	17 06 29.362	+24 33 01.37	-0.0003	-0.049	6.82	4					A0	4	84873		
2412	63	HER	17 08 58.827	+24 17 51.07	-0.0009	+0.032	6.22						ABIV-V	7	84896	V	
2413	70	HER	17 18 50.498	+24 32 52.75	-0.0017	+0.001	4.94		4.900				A1V		85021		
2414	73	HER	17 22 00.938	+23 00 19.43	-0.0031	-0.041	5.67						A4		85062		
2415	74	HER	17 18 56.237	+46 17 20.52	-0.0035	+0.045	5.60						GM0		46645		
2416	78	HER	17 29 51.624	+28 26 32.83	+0.0003	+0.027	5.56		5.560				B9.5V		85182		
2417	79	HER	17 35 27.400	+24 20 18.08	-0.0009	+0.003	5.57		5.660				A2V		85264		
2418	83	HER	17 40 25.238	+24 35 16.75	-0.0042	-0.105	5.51	2	6.97	2	8.65	2	K4III		85344		
2419	84	HER	17 41 18.329	+24 20 53.48	-0.0085	+0.071	5.54						GG6		85360		
2420	87	HER	17 46 47.387	+25 38 17.42	-0.0004	-0.040	5.17						K2III		85437		
2421	88	HER	17 48 44.710	+48 24 24.48	-0.0004	+0.015	6.40		6.250				A P		46997		
2422	93	HER	17 57 49.773	+16 45 08.33	-0.0005	-0.012	4.68	2	5.95	2	7.16	2	K0II-III		103285		
2423	95	A HER	17 59 23.050	+21 35 40.48	+0.0008	+0.034	5.13						A7III		85648	D	
2424	100	A HER	18 05 48.495	+26 05 33.51	-0.0006	+0.033	5.86	2	5.98	2	6.06	2	A3		85753	DV?	
2425	95	B HER	17 59 22.551	+21 35 39.16	+0.0007	+0.031	5.21						G5III		85647	D	
2426	96	HER	18 00 14.715	+20 49 55.57	+0.0003	-0.011	5.10		5.000				B3V		85672		
2427	97	HER	18 00 24.613	+22 55 17.34	-0.0004	-0.008	6.10		6.000				B3V		85676		
2428	98	HER	18 03 55.448	+22 12 46.28	-0.0008	-0.008	5.12						GM2		85725		
2429	100	B HER	18 05 48.464	+26 05 19.08	-0.0003	+0.033	5.90	2	6.04	2	6.12	2	A3		85752	DV?	
2430	101	HER	18 06 43.406	+20 02 09.74	+0.0005	-0.021	5.16						A4		85770		
2431	102	HER	18 06 37.111	+20 48 18.86	+0.0002	-0.009	4.35	2	4.20	2	3.39	2	B2V		85769	D	
2432	105	HER	18 17 07.136	+24 25 25.98	+0.0008	+0.001	5.34						K4II		85921		
2433	106	HER	18 18 10.896	+21 56 19.62	+0.0011	-0.056	4.96	2	6.54	2	8.54	2	GM0		85941		
2434	108	HER	18 19 01.413	+29 50 02.32	+0.0009	+0.057	5.50		5.720				A M		85956		
2435	109	HER	18 21 33.942	+21 44 44.35	+0.0139	-0.244	3.840	1	5.020	1	6.180	1	K2III		86003	V?	
2436	110	HER	18 43 30.511	+20 29 49.72	-0.0008	-0.334	4.19	2	4.65	2	4.67	2	F6V		86406	D	
2437	111	HER	18 44 48.700	+18 07 28.04	+0.0051	-0.115	4.36	2	4.48	2	4.56	2	A3V		104093		
2438	112	HER	18 50 08.204	+21 21 48.89	-0.0005	-0.008	5.20		5.130				B9II-III		86521		
2439	113	HER	18 52 38.155	+22 34 49.85	+0.0005	+0.005	4.60	2	5.38	2	5.88	2	G0+A3		86567	D	
2440	104	A HER	18 10 01.172	+31 23 29.74	-0.0009	+0.023	4.92						GM3		66737	V?	
2441	99	A HER	18 05 07.529	+30 33 12.96	-0.0075	+0.071	5.04	2	5.56	2	5.46	2	F7V		66648	D	
2442		A HER	17 06 15.553	+35 59 56.68	-0.0023	-0.012	5.26						A5		65812	D	
2443	59	A HER	16 59 45.478	+33 38 22.09	-0.0001	-0.001	5.25		5.270				A3III		65736		
2444	69	A HER	17 15 56.691	+37 20 34.06	-0.0032	+0.062	4.66	2	4.71	2	4.68	2	A2V		65921	V?	
2445	90	A HER	17 51 40.278	+40 00 58.78	+0.0006	+0.052	4.93						K3III		47037	D	
2446	30	A HER	16 26 59.842	+41 59 26.71	+0.0021	-0.003	5.01	2	6.53	2	7.70	2	M6III		46108	V	
2447	29	A HER	16 30 15.764	+11 35 38.47	-0.0121	-0.080	4.85	2	6.34	2	8.16	2	K4III		102234		
2448	43	A HER	16 43 25.712	+08 40 20.34	-0.0001	+0.014	5.15	2	6.68	2	8.62	2	K5III		121843		
2449	47	A HER	16 47 53.570	+07 19 57.13	+0.0034	-0.012	5.49	2	5.59	2	5.70	2	A M		121895	V?	
2450	45	A HER	16 45 18.566	+05 20 05.94	-0.0014	-0.039	5.24		5.220				A P		121865		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
2451	36 -M- 1	HER 16 38 06.024	+04 18 11.75		-0.0003	-0.012	6.86						DA5		121774	D	
2452	37 -M- 2	HER 16 38 09.580	+04 18 56.86		-0.0002	-0.014	5.73						A0		121776	D	
2453	28 -N	HER 16 30 07.906	+05 37 34.43		+0.0011	-0.002	5.52		5.470				B8		121676		
2454	21 -O	HER 16 21 44.526	+07 03 44.55		+0.0000	+0.014	5.85	2	5.84	2	5.85	2	A0		121568		
2455	-Q	HER 16 09 12.784	+16 47 37.67		+0.0003	+0.001	5.92		5.940				A0V		101994		
2456	R	HER 16 03 57.571	+18 30 14.37		+0.0021	-0.013	8.0	4					M6E	4	101927	V	
2457	5 -R	HER 15 58 59.371	+17 57 18.89		-0.0036	+0.150	5.12	2	6.10	2	6.84	2	K0III		101879		
2458	S	HER 16 49 37.136	+15 01 27.77		+0.0003	-0.006	5.9	4					M6E	4	102434	V	
2459	-S	HER 16 28 23.219	+20 35 14.15		-0.0056	-0.065	5.16						G8IIP		84416	V?	
2460	T	HER 18 07 12.635	+31 00 40.07		+0.0009	+0.006	6.9	4					M3E	4	66680	V	
2461	107 -T	HER 18 19 03.898	+28 50 41.92		+0.0002	+0.050	4.98						A4		85957	V?	
2462	U	HER 16 23 34.862	+19 00 18.01		+0.0015	-0.006	6.7						GM7E		102160	V	
2463	68 -U	HER 17 15 28.599	+33 09 10.06		-0.0009	-0.005	4.78	2	4.63	2	3.87	2	B3III		65913	DV	
2464	V	HER 16 56 17.878	+35 07 34.98		-0.0026	+0.004	9.3	6							65681	V	
2465	W	HER 16 33 26.023	+37 26 48.02		-0.0025	+0.003	7.4	4					M3F	4	65409	V	
2466	72 -W	HER 17 18 47.160	+32 31 51.06		+0.0100	-1.043	5.39	2	6.01	2	6.08	2	G2V		65963	DV?	
2467	X	HER 16 01 08.845	+47 22 35.81		-0.0047	-0.058	5.8	4					MC	4	45863	V	
2468	77 -X	HER 17 25 24.566	+48 18 04.18		-0.0004	-0.005	5.76						A2		46723		
2469	Y	HER 16 34 25.719	+07 12 26.72		-0.0013	+0.002	6.9	4					B9	4	121728	V	
2470	82 -Y	HER 17 35 19.066	+48 36 50.00		+0.0026	+0.064	5.42						GK1		46838		
2471	Z	HER 17 55 51.372	+15 08 31.45		-0.0016	+0.074	7.1	4					F5	4	103254	V	
2472	AC	HER 18 28 09.034	+21 49 53.11		-0.0005	+0.000	7.8	5					F8	5	86134	V	
2473	AK	HER 17 11 43.180	+16 24 27.59		+0.0019	-0.046	8.8	6					F8	6	102668	DV	
2474	BE	HER 16 23 05.610	+29 21 51.11		-0.0006	-0.023	9.0	6					M3	6	84366	V	
2475	DI	HER 18 51 21.755	+24 12 53.47		-0.0007	-0.011	8.3	6					A2	6	86544	V	
2476	GN	HER 16 30 12.553	+38 57 48.65		+0.0008	-0.002	8.3	6							65366	V	
2477	HS	HER 18 48 45.932	+24 39 35.75		-0.0007	-0.019	8.2	6					BB	6	86497	V	
2478	IQ	HER 18 15 42.636	+17 57 36.90		+0.0011	+0.037	7.7	6					M4	7	103576	V	
2479	IZ	HER = HS HER															
2480	10 LQ	HER 16 09 30.172	+23 37 22.22		-0.0022	-0.014	5.96						GM4		84240	V	
2481	MM	HER 17 56 31.954	+22 08 58.93		+0.0005	-0.029	9.1	6					G0	6	85600	V	
2482	NQ	HER 18 09 22.063	+18 18 40.98		+0.0015	-0.012	8.2	6					A0	6	103465	V	
2483	OP	HER 17 55 22.254	+45 21 21.89		+0.0002	-0.028	6.22						M6S		47080	V	
2484	RR	HER 16 02 50.633	+50 38 03.27		-0.0004	-0.041	8.8	6					N2E	6	29781	V	
2485	RS	HER 17 19 36.525	+22 58 06.93		-0.0012	+0.003	7.5	4					M5E	4	85031	V	
2486	RX	HER 18 28 20.202	+12 34 31.90		-0.0003	+0.013	7.2	4					A0	4	103793	V	
2487	ST	HER 15 49 16.687	+48 37 59.07		+0.0002	-0.007	6.8	4					MC	4	45758	V	
2488	SX	HER 16 05 20.916	+25 02 28.14		-0.0007	-0.047	8.6	7					G3EP-K0	7	84204	V	
2489	TT	HER 16 52 08.605	+16 55 01.80		+0.0007	-0.055	9.3	6							102464	V	
2490	TX	HER 17 17 01.642	+41 56 20.67		-0.0013	-0.007	8.1	6					A5	6	46626	V	
2491	TY	HER 16 33 52.782	+13 24 47.59		-0.0032	+0.008	8.4	6							102266	V	
2492	TZ	HER 16 32 49.873	+38 05 52.93		-0.0002	-0.029	8.1	6					F5	6	65401	V	
2493	UU	HER 16 34 12.172	+38 04 04.89		-0.0024	-0.020	8.5	6							65424	V	
2494	UW	HER 17 12 38.996	+36 25 26.73		+0.0014	-0.009	8.1	6					M5E	7	65885	V	
2495	UX	HER 17 51 54.495	+16 57 07.49		-0.0017	+0.027	8.7	6					A0	6	103195	V	
2496	UY	HER 16 31 26.500	+38 10 30.58		-0.0014	-0.011	8.6	6					A2	6	65379	V	
2497	V 337	HER 17 47 21.815	+45 42 52.53		-0.0020	-0.019	8.4	6							46973	V	
2498	89 V 441	HER 17 53 24.044	+26 03 24.14		+0.0002	+0.007	5.45	2	5.79	2	6.06	2	F2IA		85545	V	
2499	V 449	HER 16 41 16.464	+48 29 58.02		+0.0000	+0.006	8.2	6					MA	6	46239	V	
2500	V 451	HER 16 59 16.519	+15 01 16.29		+0.0002	-0.010	6.30		6.34				A P		102536	DV	

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OF POOR QUALITY

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2501	V 463 HER	17 09 19.135	+16 28 14.36		+0.0004	-0.011	8.4	6					K0	6	102639	V	
2502	V 522 HER	17 45 43.432	+40 02 09.40		+0.0012	+0.031	9.0	6							46952	V	
2503	V 529 HER	18 06 25.775	+42 12 53.18		-0.0011	-0.016	8.6	6							47244	V	
2504	V 535 HER	18 43 28.272	+21 55 51.47		+0.0010	+0.012	6.50		6.52				A P	6	86405	V	
2505	V 566 HER	18 06 16.706	+41 42 37.55		+0.0007	-0.045	7.7	6					M0	6	47242	V	
2506	V 600 HER	16 34 40.575	+14 34 30.42		-0.0004	+0.005	6.59						B0.5IIII	7	102273	V	
2507	V 620 HER	= 63 HER															
2508	V 624 HER	17 42 00.627	+14 25 49.35		-0.0000	+0.017	6.07		6.28	7			K M	6	103069	DV	
2509	V 636 HER	16 45 43.605	+42 19 37.19		-0.0003	-0.024	5.98		7.58	7			M4		46288	V	
2510	V 637 HER	= 52 HER															
2511	V 640 HER	17 23 40.749	+16 57 35.28		-0.0006	+0.009	6.12		7.73	7			GM4	7	102819	DV	
2512	V 642 HER	17 31 26.526	+14 52 33.14		+0.0015	-0.071	6.42		7.97	7	9.43	7	GM4	7	102918	DV	
2513	64 ALP- 1 HER	17 12 21.948	+14 26 45.34		-0.0005	+0.034	3.060	1	4.510	1	5.520	1	M5II		102680	DV	
2514	64 ALP- 2 HER	17 12 22.274	+14 26 43.71		-0.0003	+0.043	5.39						G5IIII?+F2P		102681	D	
2515	27 BET HER	16 28 04.105	+21 35 50.16		-0.0071	-0.017	2.770	1	3.710	1	4.400	1	G8III		84411	V?	
2516	20 GAM HER	16 19 42.737	+19 16 09.32		-0.0033	+0.042	3.760	1	4.030	1	4.220	1	A9III		102107	DV?	
2517	65 DEL HER	17 12 58.555	+24 53 48.78		-0.0017	-0.157	3.130	1	3.210	1	3.290	1	A3IV		84951	DV?	
2518	58 EPS HER	16 58 22.471	+30 59 55.92		-0.0038	+0.028	3.920	1	3.910	1	3.800	1	A0V		65716		
2519	40 ZET HER	16 39 23.988	+31 41 32.11	C	-0.0369	+0.394	2.810	1	3.460	1	3.670	1	G0IV		65485	DV?	
2520	44 ETA HER	16 41 10.779	+39 00 58.79		+0.0028	-0.083	3.500	1	4.420	1	5.030	1	G7IIII-IV		65504		
2521	91 THE HER	17 54 32.183	+37 15 21.68		+0.0001	+0.006	3.870	1	5.220	1	6.680	1	K1II		66485	V?	
2522	85 IOT HER	17 38 03.064	+46 01 55.27		-0.0010	+0.004	3.800	1	3.620	1	2.930	1	B3V		46872	V?	
2523	7 KAP- 1 HER	16 05 48.989	+17 10 43.81		-0.0022	-0.011	5.34						G8III		101951	D	
2524	7 KAP- 2 HER	16 05 49.369	+17 11 12.00		-0.0022	-0.031	6.52						GK2		101952	D	
2525	76 LAM HER	17 28 42.947	+26 08 49.49		+0.0013	+0.019	4.41	2	5.85	2	7.53	2	K4III		85163	V?	
2526	86 MU HER	17 44 29.998	+27 44 55.40		-0.0233	-0.747	3.420	1	4.170	1	4.560	1	G5IV		85397	D	
2527	94 NU HER	17 56 35.255	+30 11 32.29		-0.0002	+0.007	4.41	2	4.80	2	4.95	2	F2II		66524		
2528	92 XI HER	17 55 49.210	+29 15 07.34		+0.0064	-0.017	3.700	1	4.640	1	5.340	1	G9III		85590	V?	
2529	103 OMI HER	18 05 35.418	+28 45 15.79		-0.0001	+0.010	3.830	1	3.810	1	3.740	1	B9V		85750	V	
2530	67 PI HER	17 13 18.212	+36 51 51.83		-0.0025	+0.003	3.160	1	4.600	1	6.260	1	K3II		65890	V?	
2531	75 RHO- 1 HER	17 21 57.051	+37 11 29.80		-0.0038	+0.003	5.498	2	5.498	2	5.448	2	B9V		66000	D	77
2532	75 RHO- 2 HER	17 21 57.343	+37 11 26.94		-0.0035	+0.005	4.548	2	4.548	2	4.498	2	A P		66001	D	78
2533	35 SIG HER	16 32 29.324	+42 32 21.08		-0.0013	+0.044	4.20	2	4.19	2	4.09	2	B9V		46161	V?	
2534	22 TAU HER	16 18 14.106	+46 25 53.60		-0.0016	+0.037	3.900	1	3.750	1	3.180	1	B5IV		46028	DV?	
2535	6 UPS HER	16 01 14.296	+46 10 28.68		+0.0048	-0.062	4.76	2	4.65	2	4.33	2	A P		45865		
2536	11 PHI HER	16 07 11.504	+45 03 54.26		-0.0028	+0.035	4.27	2	4.20	2	3.92	2	A P		45911		
2537	1 CHI HER	15 50 56.688	+42 35 25.78		+0.0396	+0.628	4.62	2	5.19	2	5.19	2	F9V		45772		
2538	24 OME HER	16 23 06.363	+14 08 49.24		+0.0030	-0.063	4.58	2	4.57	2	4.53	2	A P		102153	D	
2539	V HER	03 02 14.490	-59 07 38.16		+0.0076	-0.005	7.0	4					M8	4	232977	V	
2540	W HER	02 42 42.122	-54 30 41.59		-0.0011	+0.004	10.7	7					MC	6	232872	V	
2541	RR HER	03 38 50.659	-52 53 21.12		+0.0151	-0.010	9.	7					G	6	233216	V	
2542	TU HER	03 29 00.677	-47 32 42.31		+0.0076	+0.023	5.99	2	6.10	2			A2V		216357	V	
2543	TV HER	02 28 46.315	-58 01 51.68		+0.0045	+0.028	6.80	4	8.35	7			M5III	7	232795	V	
2544	TW HER	03 11 16.947	-57 30 29.47		+0.0016	+0.13	5.74	2	8.01	2			NA		233657	V	
2545	ALP HER	04 12 20.591	-42 25 00.31		+0.0036	-0.208	3.860	1	4.960	1	5.970	1	K1III		216713		
2546	BET HER	02 57 50.778	-64 16 10.53		+0.0032	+0.016	4.99	2	5.12	2	5.27	2	A5V		248701		
2547	GAM HER	02 44 23.157	-63 54 49.81		+0.0036	-0.005	5.69						K0		248642		
2548	DEL HER	04 09 09.444	-42 07 23.02		+0.0169	+0.067	4.930	1	5.260	1	5.330	1	DF0		216682		
2549	ZET HER	02 39 06.229	-54 45 48.15		+0.0046	+0.006	5.26						DF5		232857		
2550	ETA HER	02 35 45.293	-52 45 31.96		+0.0093	-0.013	5.31	2	5.58	2			A5		232835		

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2551	IOT	HOR	02 40 51.285	-51 00 55.10	+0.0349	+0.229	5.41	2	5.97	2			G3IV		232864		
2552	LAM	HOR	02 23 29.948	-60 32 06.99	-0.0088	-0.129	5.35	2	5.74	2			F2IIIP		248555		
2553	MU	HOR	03 02 25.945	-59 55 52.17	-0.0093	-0.061	5.11	2	5.45	2			DF2		232981		
2554	NU	HOR	02 47 54.688	-63 00 48.77	+0.0138	+0.032	5.26	2	5.36	2			A0		248656		
2555	1	HYA	08 22 05.455	-03 35 16.27	-0.0143	-0.028	5.62	2	6.08	2	6.02	2	DF2		135877	V?	
2556	2	HYA	08 23 57.287	-03 49 18.50	-0.0038	-0.064	5.59	2	5.81	2	5.90	2	DF0		135916		
2557	6	HYA	08 37 39.279	-12 17 51.03	-0.0061	-0.006	4.98	2	6.40	2			K4III		154515		
2558	9	HYA	08 39 24.073	-15 45 45.16	-0.0006	-0.096	4.88	2	5.95	2	6.87	2	K1III		154552	D	
2559	10	HYA	08 42 22.440	+05 51 46.78	-0.0002	-0.008	6.13	2	6.33	2	6.43	2	A3N		117088		
2560	14	HYA	08 46 50.952	-03 15 22.83	-0.0016	-0.027	5.31	2	5.21	2	4.86	2	A P		136308		
2561	15	HYA	08 49 06.972	-06 59 19.51	-0.0033	-0.003	5.54	2	5.69	2	5.83	2	A M		136345	DV?	
2562	17	A HYA	08 53 02.503	-07 46 44.04	-0.0002	-0.028	6.67						A M		136409	D	
2563	17	B HYA	08 53 02.474	-07 46 40.43	-0.0004	-0.042	6.08	2	6.30	2	6.43	2	A3		136408	D	
2564	19	HYA	09 06 15.297	-08 23 10.97	-0.0018	-0.013	5.60	2	5.54	2	5.35	2	B8		136604	D	
2565	20	HYA	09 07 08.810	-08 35 01.37	-0.0016	-0.015	5.46	2	6.47	2	7.25	2	GG6		136622		
2566	21	HYA	09 09 57.872	-06 54 13.73	-0.0014	+0.015	6.11	2	6.33	2	6.45	2	A2		136662		
2567	23	HYA	09 14 12.717	-06 08 36.69	+0.0011	+0.002	5.24	2	6.41	2	7.63	2	K2III		136725	D	
2568	24	HYA	09 14 14.336	-08 32 06.30	-0.0017	-0.001	5.47	2	5.38	2	5.08	2	B9		136728		
2569	25	HYA	09 15 04.738	-11 45 03.66	-0.0027	-0.046	7.32	4					K0	4	155064		
2570	26	HYA	09 17 21.845	-11 45 46.60	-0.0020	+0.005	4.81	2	5.74	2	6.35	2	G8III		155096	D	
2571	28	HYA	09 22 54.006	-04 54 03.23	-0.0011	-0.015	5.59	2	7.11	2	8.93	2	K5III		136832		
2572	29	HYA	09 24 47.584	-09 00 20.86	-0.0023	-0.004	6.54	2	6.59	2	6.61	2	A0		136861	D	
2573	34	HYA	09 35 24.347	-09 11 56.02	-0.0045	-0.003	6.40	2	6.36	2	6.27	2	A0		137011		
2574	37	HYA	09 37 20.840	-10 20 35.66	-0.0020	+0.000	6.31	2	6.28	2	6.14	2	B9		155377		
2575	44	HYA	10 31 38.019	-23 29 12.97	-0.0009	+0.017	5.08	2	6.68	2			K4III		178979	D	
2576	47	HYA	13 55 42.433	-24 43 44.18	-0.0036	-0.031	5.17		5.070				B8		182134		
2577	48	HYA	13 57 11.725	-24 46 01.83	-0.0147	-0.096	5.80						F3V		182152		
2578	50	HYA	14 09 53.730	-27 01 36.38	-0.0009	-0.038	5.25						GK3		182349		
2579	55	HYA	14 44 27.678	-25 24 55.90	-0.0006	-0.020	5.67						A SI		182875		
2580	56	HYA	14 44 49.286	-25 52 44.62	+0.0031	-0.009	5.39						G5III		182882		
2581	57	HYA	14 45 01.621	-26 26 16.69	-0.0009	-0.015	5.80		5.780				B9V		182843		
2582	59	HYA	14 55 41.283	-27 27 28.17	-0.0031	-0.014	5.68						A M		183058	D	
2583	60	HYA	14 59 07.228	-27 51 49.82	+0.0071	-0.041	5.85	2	6.01	2			A M		183099		
2584	33	A HYA	09 32 02.913	-05 41 26.92	+0.0002	-0.058	5.56	2	6.72	2	7.85	2	GK1		136964		
2585	-B- 1	HYA	10 44 24.918	-17 01 57.59	-0.0017	-0.018	5.56						A3M	4	156221		
2586	-B- 2	HYA	10 48 38.988	-18 04 00.59	-0.0036	+0.004	6.55	4					A0		156271		
2587	-B- 3	HYA	10 51 02.570	-19 52 08.84	+0.0053	-0.244	5.24	2	5.70	2	5.76	2	F6V		156301	DV?	
2588	12	D HYA	08 44 00.736	-13 21 49.74	+0.0007	-0.016	4.32	2	5.22	2	5.86	2	G8III		154622	D	
2589	58	E HYA	14 47 20.721	-27 45 11.94	-0.0181	-0.062	4.41	2	5.81	2	7.28	2	GK4		182911		
2590	F HYA	08 41 13.052	-07 03 09.05	-0.0005	-0.001	4.61	2	5.45	2	5.96	2	G2I8		136221			
2591	G HYA	09 25 00.995	-22 07 24.74	+0.0127	-0.164	4.68	2	5.81	2	6.98	2	GK3		177469			
2592	I HYA	09 38 59.997	-23 21 48.43	-0.0023	-0.008	4.78	2	4.66	2	4.08	2	B2PE		177840	D		
2593	51	-K HYA	14 20 12.508	-27 31 31.63	-0.0145	-0.116	4.75	2	6.06	2	7.59	2	K5III		182483		
2594	52	-L HYA	14 25 14.277	-29 16 04.77	-0.0019	-0.026	4.97	2	4.90	2	4.49	2	B8IV		182570	DV?	
2595	54	-M- 1	14 43 06.029	-25 13 55.15	-0.0111	-0.107	5.21						DF1		182855	D	
2596	54	-M- 2	14 43 06.570	-25 14 00.12	-0.0103	-0.083	7.2						DF9		182856	D	
2597	N- 1	HYA	11 29 47.083	-28 59 20.98	-0.0012	+0.134	5.86						DF7		179967	D	
2598	N- 2	HYA	11 29 47.397	-28 59 12.71	-0.0023	+0.141	5.78						DF6		179968	D	
2599	27	P HYA	09 18 02.492	-09 20 33.63	-0.0013	-0.034	4.79	2	5.73	2	6.40	2	G8III-IV		136768	D	
2600	R HYA	13 26 58.482	-23 01 24.51	-0.0041	+0.011	4.970	1	6.580	1	7.260	1	GM7E		181695	DV	79	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
2601	S	HYA	08 50 57.491	+03 15 30.38	-0.0007	+0.010	7.3	4					M3E	4	117236	V	
2602	T	HYA	08 53 13.761	-08 56 58.07	-0.0015	+0.003	7.3	4					M3E	4	136414	V	
2603	U	HYA	10 35 04.966	-13 07 26.18	+0.0020	-0.037	4.82	2	7.51	2	13.29	2	C7-3		156110	V	
2604	V	HYA	10 49 11.303	-20 59 04.92	+0.0004	-0.025	6.0	4					N	4	179278	V	
2605	W	HYA	13 46 12.222	-28 07 06.51	-0.0028	-0.060	7.1	4					M8E	4	181981	DV	
2606	X	HYA	09 33 06.923	-14 28 03.52	-0.0066	-0.056	8.0	4					M7E	4	155319	V	
2607	Y	HYA	09 48 45.004	-22 46 56.91	-0.0013	-0.004	6.5	4					NP	4	178088	V	
2608	Z	HYA	11 45 08.204	-32 59 54.40	-0.0014	+0.001	9.8	7							202820	V	
2609	AK	HYA	08 37 35.726	-17 07 23.39	+0.0002	-0.161	7.04	4					MB	4	154514	V	
2610	AR	HYA	09 23 38.211	-23 32 46.35	+0.0016	+0.013	9.3	6					M4	6	177438	V	
2611	BK	HYA	11 17 37.727	-34 58 56.73	-0.0017	+0.008	9.2	6					K5	6	202329	V	
2612	DV	HYA	11 53 51.670	-33 59 46.28	-0.0005	-0.050	10.0	6					MA	6	202955	V	
2613	EY	HYA	08 43 45.951	+01 48 57.23	-0.0021	-0.012	9.0	6					M5	6	117103	V	
2614	FK	HYA	08 22 02.251	-08 21 27.36	-0.0021	+0.016	7.5	6					MB	6	135876	V	
2615	FZ	HYA	08 18 54.729	+05 07 06.15	-0.0040	-0.019	8.7	6					M	6	116668	V	
2616	GH	HYA	13 54 03.314	-26 54 41.22	+0.0011	-0.024	8.8	6					M3	6	182107	V	
2617	GK	HYA	08 28 13.561	+02 26 34.49	-0.0010	+0.017	9.0	6					G4	7	116843	V	
2618	HQ	HYA	08 16 51.267	-10 00 30.92	-0.0033	+0.033	6.31	2	6.64	2	6.81	2	A5	7	154105	V	
2619	HS	HYA	10 22 12.430	-18 50 18.55	-0.0032	-0.041	8.3	6					F5	6	155964	V	
2620	3 HV	HYA	08 33 01.752	-07 48 32.10	-0.0020	+0.016	5.72	2	5.69	2	5.68	2	A P		136076	V	
2621	HW	HYA	10 02 58.705	-21 06 41.97	-0.0015	-0.011	8.2	6					M3	6	178386	V	
2622	HX	HYA	10 34 44.502	-23 37 59.16	-0.0007	-0.032	8.0	6					M3	6	179035	V	
2623	HY	HYA	11 12 10.279	-25 48 07.64	+0.0029	-0.014	7.53	4					MR	6	179679	V	
2624	HZ	HYA	11 23 51.776	-25 28 48.20	+0.0002	-0.023	8.0	6					M3	6	179882	V	
2625	II	HYA	11 46 13.287	-26 28 17.95	-0.0025	-0.015	5.11	6	6.69	7	9.34	7	M4III		180208	V	
2626	IL	HYA	09 22 33.861	-23 36 35.31	-0.0040	-0.044	7.7	6	8.70	7			K2IV	7	177412	V	
2627	RT	HYA	08 27 13.205	-06 09 00.57	+0.0022	-0.031	8.4	6					M6E-M7	7	135976	V	
2628	RU	HYA	14 08 40.868	-28 39 01.06	-0.0038	-0.053	9.4	6					M6E	7	182327	V	
2629	RV	HYA	08 37 18.542	-09 24 32.87	-0.0002	-0.016	7.7	5					M5II	7	136144	V	
2630	RW	HYA	13 31 31.971	-25 07 28.59	-0.0025	-0.014	8.2	6							181760	V	
2631	RX	HYA	09 03 14.119	-08 03 35.87	-0.0005	-0.019	9.0	6					A2	6	136572	V	
2632	SS	HYA	13 27 44.798	-23 23 31.30	+0.0002	-0.042	7.71	5					B9	7	181708	DV	
2633	SV	HYA	12 27 52.696	-25 46 17.39	-0.0048	+0.019	9.4	6	9.52	7			A5	6	180855	V	
2634	SX	HYA	13 41 49.222	-26 31 45.43	-0.0032	-0.021	8.6	6					A3	6	181919	V	
2635	TT	HYA	11 10 45.669	-26 11 34.84	-0.0021	+0.003	7.16	4					A2	4	179648	V	
2636	TV	HYA	13 34 25.223	-23 21 39.65	-0.0027	-0.059	7.20	4					A3	4	181797	V	
2637	VY	HYA	10 17 54.667	-22 53 58.72	-0.0049	+0.041	8.9	6					A3	6	178701	V	
2638	VZ	HYA	08 29 13.441	-06 08 56.62	-0.0007	-0.001	9.1	6					F5	6	136006	V	
2639	30 ALP	HYA	09 25 07.791	-08 26 27.47	-0.0012	+0.028	1.970	1	3.420	1	5.140	1	K4III		136871	V?	
2640	BET	HYA	11 50 22.635	-33 37 47.13	-0.0042	+0.001	4.28	2	4.18	2	3.85	2	A0SI		202901	D	
2641	46 GAM	HYA	13 16 11.868	-22 54 29.88	+0.0047	-0.049	3.000	1	3.920	1	4.580	1	G8III		181543	V?	
2642	4 DEL	HYA	08 35 00.594	+05 52 45.60	-0.0045	-0.012	4.17	2	4.17	2	4.19	2	A0V		116965		
2643	11 EPS	HYA	08 44 07.755	+06 36 12.41	-0.0128	-0.055	3.380	1	4.060	1	4.430	1	G0III+DF7		117112	D	
2644	16 ZET	HYA	08 52 45.092	+06 08 13.25	-0.0068	+0.010	3.100	1	4.100	1	4.920	1	K0II-III		117264		
2645	7 ETA	HYA	08 40 36.696	+03 34 45.66	-0.0013	-0.005	4.300	1	4.100	1	3.360	1	B3V		117050	V?	
2646	22 THE	HYA	09 11 45.818	+02 31 34.63	+0.0086	-0.313	3.880	1	3.810	1	3.690	1	B9.SVP		117527	DV?	
2647	35 IOT	HYA	09 37 18.152	-00 54 53.79	+0.0031	-0.069	3.910	1	5.230	1	6.680	1	K3III		137035	V?	
2648	38 KAP	HYA	09 37 54.469	-14 06 16.63	-0.0022	-0.024	5.05	2	4.90	2	4.32	2	B5V		155388		
2649	41 LAM	HYA	10 08 08.945	-12 06 22.55	-0.0141	-0.095	3.610	1	4.610	1	5.530	1	K0III		155785	D	
2650	42 MU	HYA	10 23 40.213	-16 34 49.56	-0.0092	-0.083	3.790	1	5.270	1	7.090	1	K4III		155980		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
2651	NU	HYA	10 47 09.331	-15 55 53.45		+0.0062	+0.196	3.110	1	4.350	1	5.620	1		156256		
2652	XI	HYA	11 30 32.264	-31 34 50.66		-0.0162	-0.042	3.540	1	4.470	1	5.170	1		202558	D	
2653	OMI	HYA	11 37 43.438	-34 28 02.58		-0.0036	-0.003	4.70	2	4.63	2	4.41	2		202695		
2654	49 PI	HYA	14 03 31.045	-26 26 32.51		+0.0032	-0.144	3.280	1	4.400	1	5.440	1		182244		
2655	13 RHO	HYA	08 45 47.115	+06 01 25.07		-0.0013	-0.037	4.37	2	4.32	2	4.27	2		117146	D	
2656	5 SIG	HYA	08 36 08.671	+03 31 05.48		-0.0013	-0.021	4.43	2	5.63	2	6.91	2		116988		
2657	31 TAU- 1	HYA	09 26 36.618	-02 32 58.04		+0.0084	-0.018	4.61	2	5.06	2	5.07	2		136895	D	
2658	32 TAU- 2	HYA	09 29 25.987	-00 57 47.98		-0.0010	-0.015	4.57	2	4.67	2	4.77	2		136932		
2659	39 UPS- 1	HYA	09 49 04.309	-14 36 40.49		+0.0011	-0.031	4.11	2	5.03	2	5.68	2		155542		
2660	40 UPS- 2	HYA	10 02 41.299	-12 49 17.50		-0.0029	+0.010	4.59	2	4.49	2	4.22	2		155713	V?	
2661	PHI- 1	HYA	10 36 08.640	-16 36 59.36		-0.0073	+0.021	4.91	2	5.83	2				156122		
2662	PHI- 2	HYA	10 33 50.062	-16 05 05.81		-0.0021	-0.006	6.04	2	7.68	2			GM1	156093	D	
2663	CHI- 1	HYA	11 02 55.152	-27 01 23.86		-0.0142	-0.005	4.94	2	5.30	2	5.34	2		179514	D	
2664	CHI- 2	HYA	11 03 31.863	-27 01 02.11		+0.0024	-0.018	5.11	2	5.65	2	5.39	2		179522	V	
2665	45 PSI	HYA	13 06 21.343	-22 51 04.21		-0.0017	-0.043	5.11						GK1	181410		
2666	18 OME	HYA	09 03 20.485	+05 17 35.72		-0.0012	-0.010	4.97	2	6.19	2	7.40	2		117420		
2667	Y	HYI	00 44 22.397	-79 05 40.08		-0.0005	-0.002	9.2	6						255703	V	
2668	ALP	HYI	01 57 11.703	-61 48 45.43		+0.0379	+0.033	2.870	1	3.155	1	3.290	1		248474		
2669	BET	HYI	00 23 09.374	-77 32 08.50		+0.6884	+0.327	2.800	1	3.420	1	3.530	1		255670		
2670	GAM	HYI	03 47 59.464	-74 23 33.53		+0.0130	+0.117	3.250	1	4.870	1	6.835	1		256029		
2671	DEL	HYI	02 20 51.202	-68 53 11.84		-0.0079	+0.008	4.09	2	4.12	2	4.17	2		248545		
2672	EPS	HYI	02 38 48.796	-68 28 50.94		+0.0171	+0.009	4.11	2	4.05	2	3.91	2		248621		
2673	ZET	HYI	02 44 45.930	-67 49 35.41		+0.0125	+0.043	4.84	2	4.90	2	4.99	2		248644		
2674	ETA- 1	HYI	01 51 18.717	-68 11 25.10		-0.0047	-0.003	6.7	4					A0	248455	V	
2675	ETA- 2	HYI	01 53 39.936	-67 53 34.38		+0.0135	+0.078	4.680	1	5.625	1	6.260	1		248460		
2676	THE	HYI	03 02 08.283	-72 05 51.69		+0.0065	+0.019	5.53	2	5.39	2	4.88	2		255945	D	
2677	IOT	HYI	03 17 09.867	-77 34 17.51		+0.0351	+0.066	5.52	2	5.96	2	5.96	2		255973		
2678	KAP	HYI	02 22 33.336	-73 52 19.85		-0.0191	+0.013	5.01	2	6.10	2	7.14	2		255880		
2679	LAM	HYI	00 46 51.740	-75 11 43.48		+0.0356	-0.027	5.070	1	6.340	1	8.120	1		255710		
2680	MU	HYI	02 32 40.904	-79 19 40.34		+0.0460	-0.043	5.28	2	6.26	2	6.99	2		255898		
2681	NU	HYI	02 50 46.274	-75 16 16.59		-0.0071	-0.018	4.755	1	6.085	1	7.645	1		255929		
2682	PI - 1	HYI	02 13 11.635	-68 04 28.80		+0.0074	+0.040	5.55	2	7.10	2	8.94	2		248518		
2683	PI - 2	HYI	02 14 25.727	-67 58 40.23		+0.0070	-0.013	5.69	2	6.99	2	8.47	2		248521		
2684	SIG	HYI	01 55 53.772	-78 35 34.84		+0.0325	+0.054	6.16	2	6.60	2	6.61	2		255835		
2685	TAU- 2	HYI	01 48 11.758	-80 25 25.82		-0.0276	-0.064	6.07	2	6.40	2	6.47	2		258280	D	
2686	TAU- 1	HYI	01 41 17.558	-79 24 01.01		+0.0206	+0.017	6.33	2	7.27	2	7.96	2		255806	D	
2687	T	IND	21 16 52.207	-45 14 03.64		+0.0000	-0.006	7.2						NA	230635	V	
2688	V	IND	21 08 11.011	-45 16 42.50		-0.0062	-0.065	9.12	7					A5	230567	V	
2689	AK	IND	21 05 49.623	-46 58 16.04		+0.0018	+0.009	8.0	6					MB	230547	V	
2690	RS	IND	21 32 23.080	-70 33 28.78		-0.0109	-0.050	9.2	6						257941	V	
2691	SU	IND	20 51 17.423	-45 55 16.65		-0.0014	+0.006	9.6	6					G5	230428	V	
2692	ALP	IND	20 34 03.529	-47 28 02.93		+0.0055	+0.070	3.115	1	4.115	1	4.915	1		230300	D	
2693	BET	IND	20 50 55.080	-58 38 40.20		+0.0031	-0.022	3.650	1	4.900	1	6.120	1		246784		
2694	GAM	IND	21 22 42.265	-54 52 39.96		+0.0014	+0.043	6.10						FOIII	247031	V?	
2695	DEL	IND	21 54 31.763	-55 13 53.02		+0.0064	-0.005	4.390	1	4.680	1	4.760	1		247244	D	
2696	EPS	IND	21 59 33.047	-56 59 33.64		+0.4822	-2.555	4.690	1	5.750	1	6.740	1		247287		
2697	ZET	IND	20 46 02.971	-46 24 48.08		+0.0047	+0.027	4.885	1	6.400	1	8.255	1		230391		
2698	ETA	IND	20 40 22.692	-52 06 04.59		+0.0175	-0.055	4.51	2	4.78	2	4.87	2		246799		
2699	THE- 1	IND	21 16 18.228	-53 39 35.85		+0.0109	-0.067	7.2	4					DA9	246964	D	
2700	THE- 2	IND	21 16 18.874	-53 39 37.51		+0.0121	-0.068	4.39	2	4.58	2	4.70	2		246965	D	

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2701	IOT	IND	20 47 53.819	-51 47 45.74	+0.0010	-0.010	5.16						GK1		246762		
2702	KAP	IND	22 02 21.317	-59 52 44.27	+0.0070	-0.053	5.60						K5		247303		
2703	MU	IND	21 01 34.302	-54 55 34.61	+0.0013	-0.033	5.20						GK2		246854		
2704	NU	IND	22 20 21.963	-72 29 58.85	+0.2890	-0.686	5.29	2	5.94	2	5.88	2	G0V		258033	D	
2705	OMI	IND	21 46 35.522	-69 51 48.68	-0.0041	-0.004	5.53	2	6.90	2	8.53	2	K5III		255087		
2706	PI	IND	21 52 44.415	-58 08 14.62	+0.0026	+0.015	6.34						A M?		247230		
2707	RHO	IND	22 51 12.632	-70 20 29.10	-0.0077	+0.073	6.05	2	6.71	2	6.95	2	G1V		258084		
2708	1	LAC	22 13 47.175	+37 29 57.05	+0.0009	+0.008	4.13	2	5.59	2	7.21	2	K3II-III		72191		
2709	2	LAC	22 18 57.336	+46 17 03.53	+0.0020	+0.009	4.56	2	4.46	2	3.96	2	B6IV		51904	D	
2710	4	LAC	22 22 29.025	+49 13 20.68	-0.0010	+0.001	4.58	2	4.67	2	4.33	2	B9IAB		51970		
2711	5	LAC	22 27 26.535	+47 27 01.65	+0.0003	+0.000	4.37	2	6.05	2	7.15	2	M0IAB+B		52055	V?	
2712	6	LAC	22 28 19.477	+42 51 59.90	-0.0007	+0.002	4.51	2	4.42	2	3.68	2	B2IV		52079		
2713	8	LAC	22 33 38.561	+39 22 30.24	+0.0002	-0.002	5.73	2	5.58	2	4.68	2	B1VE		72509	DV?	
2714	8	LAC	22 33 38.333	+39 22 07.92	-0.0008	+0.001	6.45		6.310				B2V		72508	D	
2715	9	LAC	22 35 18.813	+51 17 11.75	-0.0061	-0.097	4.63	2	4.87	2	4.98	2	A7IV		34628		
2716	10	LAC	22 37 00.772	+38 47 22.43	-0.0000	-0.000	4.88	2	4.68	2	3.63	2	O9V		72575	D	
2717	11	LAC	22 38 18.981	+44 00 53.45	+0.0085	+0.016	4.46	2	5.79	2	7.15	2	K3III		52251		
2718	13	LAC	22 41 51.369	+41 33 23.08	-0.0008	+0.008	5.12						K0III		52317	D	
2719	14	LAC	22 48 06.148	+41 41 17.87	+0.0007	+0.004	5.91	2	5.99	2	5.48	2	B3IV?		52412	V?	
2720	15	LAC	22 49 46.387	+43 02 46.84	+0.0098	+0.033	5.02						GMO		52436	D	
2721	R	LAC	22 41 02.054	+42 06 25.04	-0.0019	+0.013	8.3	4					M5E	4	52298	V	
2722	S	LAC	22 26 49.375	+40 03 34.34	+0.0030	+0.022	7.6	4					M5E	4	52048	V	
2723	T	LAC	22 20 08.702	+34 09 40.93	-0.0006	+0.022	9.2	6							72272	V	8n
2724	V	LAC	22 46 35.226	+56 03 25.20	-0.0006	+0.011	8.8	6	9.48	7			G5	6	34841	V	
2725	X	LAC	22 47 00.350	+56 09 48.66	-0.0006	+0.008	8.7	6	9.53	7			G5	6	34850	V	
2726	Y	LAC	22 07 07.776	+50 48 00.12	+0.0002	+0.004	8.8	6	9.36	7			F8	6	34106	V	
2727	Z	LAC	22 38 53.212	+56 34 04.93	-0.0014	+0.001	9.0	6	9.88	7			F5	6	34693	V	
2728	AR	LAC	22 06 39.525	+45 29 45.02	-0.0028	+0.035	6.3						K2III+F8		51684	V	
2729	BG	LAC	21 58 23.044	+43 12 17.15	-0.0008	+0.013	8.8	6	9.62	7					51539	V	
2730	CM	LAC	21 58 03.559	+44 18 42.36	-0.0001	+0.034	8.0	6					A2	6	51531	V	
2731	CO	LAC	22 44 28.676	+56 33 42.12	-0.0011	+0.005	9.4	6					B8	6	34798	V	
2732	CS	LAC	21 57 39.866	+42 19 50.69	-0.0002	+0.000	8.8	6							51524	V	
2733	CX	LAC	22 05 38.813	+39 51 43.96	+0.0001	+0.009	7.9	6					K5	6	72053	V	
2734	DD	LAC	22 39 14.013	+39 57 49.82	-0.0006	+0.003	5.25	2	5.11	2	4.24	2	B2III		72627	V	
2735	EN	LAC	22 54 06.309	+41 20 11.97	-0.0004	+0.004	5.58	2	5.44	2	4.61	2	B2IV		52512	DV	
2736	EW	LAC	22 54 51.568	+48 24 59.85	+0.0015	+0.000	5.48		5.420				B2?PE		52526	V	
2737	FW	LAC	22 19 20.427	+45 23 51.62	+0.0007	+0.017	8.6	6					MB	6	51913	V	
2738	GL	LAC	22 42 05.629	+55 19 35.12	+0.0013	+0.010	8.8	6					A0P	6	34741	V	
2739	GX	LAC	22 44 15.605	+56 35 18.70	-0.0007	+0.009	9.4	6					B5	6	34790	V	
2740	HK	LAC	22 02 57.439	+46 59 27.21	+0.0060	+0.045	6.52	4	7.56	7	8.28	7	K0III	7	51628	V	
2741	HT	LAC	22 03 17.016	+46 30 05.27	-0.0043	-0.016	6.12	2	7.72	2	9.49	2	GMB		51632	V	
2742	RR	LAC	22 39 26.840	+56 10 16.01	+0.0003	+0.002	9.0	6	9.70	7			G5	6	34699	V	
2743	RT	LAC	21 59 28.557	+43 38 55.02	+0.0047	+0.012	8.8	6					G5	6	51563	V	
2744	RZ	LAC	22 33 38.531	+52 29 03.56	+0.0008	+0.006	8.8	6					A0	6	34598	V	
2745	SW	LAC	22 51 22.544	+37 40 18.88	+0.0058	+0.005	8.8	6					G5	6	72820	V	
2746	SX	LAC	22 53 39.390	+34 55 42.43	-0.0007	-0.003	8.3	6							72857	V	
2747	TV	LAC	22 53 59.451	+53 57 43.47	+0.0007	+0.004	9.0	6					N3	6	34966	V	
2748	VX	LAC	22 38 44.805	+38 03 39.60	-0.0035	+0.000	9.5	6							72615	V	
2749	7 ALP	LAC	22 29 13.558	+50 01 29.96	+0.0140	+0.023	3.770	1	3.780	1	3.780	1	A2V		34542	D	
2750	3 BET	LAC	22 21 35.317	+51 58 40.98	-0.0018	-0.183	4.44	2	5.46	2	6.23	2	G9III		34395		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2751	3	LEO	09 25 49.476	+08 24 26.61		-0.0022	-0.036	5.71	2	6.75	2	7.65	2	GK0	117718	D	
2752	7	LEO	09 33 09.069	+14 36 13.46		-0.0026	-0.005	6.18		6.220				A1V	98662	D	
2753	8	LEO	09 34 17.202	+16 39 46.66		-0.0008	-0.008	5.72						GK1	98673		
2754	9	LEO	09 34 58.426	+24 53 45.43		-0.0075	-0.021	6.60	4					F8	80935		
2755	10	LEO	09 34 34.351	+07 03 39.18		-0.0041	-0.002	5.00	2	6.05	2	6.92	2	K1III	117807	V?	
2756	11	LEO	09 35 17.680	+14 34 26.81		-0.0048	-0.089	6.60	4					F2	98683		
2757	13	LEO	09 38 46.124	+26 08 29.20		-0.0010	-0.037	6.28						GK2	80970		
2758	18	LEO	09 43 41.792	+12 02 28.52		-0.0012	+0.011	5.60						GK4	98755		
2759	19	LEO	09 44 44.747	+11 48 01.42		-0.0037	+0.001	6.45	2	6.88	2			A3N	98767		
2760	20	LEO	09 47 02.362	+21 24 48.09		-0.0032	-0.016	5.92						A85	81035	D	
2761	21	LEO	09 48 07.934	+12 04 35.92		-0.0012	-0.010	6.66	4					A0	98806		
2762	23	LEO	09 48 19.771	+13 18 03.11		+0.0019	-0.012	6.55						GM0	98809		
2763	26	LEO	09 55 28.730	+15 27 38.33		-0.0027	-0.019	7.6	4					G5	98874		
2764	34	LEO	10 08 56.972	+13 36 09.71		+0.0027	-0.040	6.44	2	6.90	2	6.92	2	F6V	98991	D	
2765	35	LEO	10 13 46.346	+23 45 08.39		-0.0149	+0.031	5.87						DG2	81260		
2766	37	LEO	10 13 59.806	+13 58 42.16		-0.0015	-0.020	5.51						GM1	99034		
2767	39	LEO	10 14 29.721	+23 21 27.73		-0.0296	-0.105	5.82	2	6.32	2	6.27	2	DF3	81270	D	
2768	40	LEO	10 17 01.010	+19 43 31.21		-0.0165	-0.220	4.80	2	5.25	2	5.26	2	F6IV	99065	V?	
2769	42	LEO	10 19 09.063	+15 13 42.20		-0.0024	-0.020	6.08		6.090				A1V	99080	V?	
2770	43	LEO	10 20 23.494	+06 47 49.72		-0.0013	-0.104	6.07	2	7.19	2	8.32	2	GK3	118269		
2771	46	LEO	10 29 31.730	+14 23 40.08		-0.0028	+0.018	5.54						GM2	99172	V?	
2772	48	LEO	10 32 11.541	+07 12 42.41		-0.0072	+0.057	5.08	2	6.01	2	6.65	2	G8II-III	118376		
2773	50	LEO	10 36 13.740	+16 23 17.91		+0.0038	-0.024	6.62	4					F2	99229		
2774	54	A LEO	10 52 54.559	+25 01 00.80		-0.0053	-0.016	4.511	2	4.531	2	4.541	2	A1V	81583	D	81
2775	54	B LEO	10 52 55.016	+25 00 58.11		-0.0054	-0.030	6.301	2	6.321	2	6.331	2	A1N	81584	D	82
2776	55	LEO	10 53 08.048	+01 00 14.31		+0.0069	-0.004	5.91	2	6.33	2	6.31	2	DF3	118574	D	
2777	57	LEO	10 53 36.604	+00 42 00.53		-0.0009	-0.005	6.86	4					K0	118577		
2778	64	LEO	11 04 59.281	+23 35 39.69		-0.0010	+0.004	6.30		6.470				A M	81681		
2779	66	LEO	11 06 40.428	-01 03 43.01		-0.0047	-0.009	6.75	4					A2	138015		
2780	67	LEO	11 06 08.300	+24 55 46.21		+0.0003	+0.001	5.64		5.700				A3III	81692	D	
2781	71	LEO	11 19 52.037	+17 42 41.85		-0.0083	-0.020	7.04	4					K0	99577		
2782	72	LEO	11 12 32.837	+23 22 05.98		-0.0016	-0.010	4.63	2	6.29	2	8.14	2	M3III	81736	V?	
2783	75	LEO	11 14 42.984	+02 17 08.63		+0.0035	-0.148	5.18	2	6.70	2	8.54	2	M0III	118764		
2784	76	LEO	11 16 20.950	+01 55 29.43		-0.0027	-0.059	5.91	2	6.95	2	7.82	2	GK0	118778		
2785	79	LEO	11 21 28.316	+01 40 57.05		-0.0015	+0.001	5.39	2	6.33	2	6.99	2	GG7	118831		
2786	80	LEO	11 23 15.828	+04 08 08.22		-0.0055	-0.045	6.37	2	6.70	2	6.75	2	A8N	118851		
2787	81	LEO	11 23 00.011	+16 43 53.78		-0.0102	-0.012	5.61						DF2	99601		
2788	82	LEO	11 23 05.207	+03 34 36.07		-0.0021	-0.055	6.70	4					A2	118847		
2789	83	A LEO	11 24 13.447	+03 17 08.98		-0.0483	+0.177	6.16	2	7.01	2	7.63	2	DK0	118864	D	
2790	83	B LEO	11 24 14.428	+03 16 43.06		-0.0484	+0.169	7.9	4					K0	118865	D	
2791	85	LEO	11 27 05.648	+15 41 22.82		-0.0020	-0.050	5.82						GK4	99629		
2792	86	LEO	11 27 52.569	+18 41 06.97		-0.0060	+0.012	5.88						GK0	99637		
2793	88	LEO	11 29 10.091	+14 38 35.50		-0.0228	-0.194	6.00						DF7	99648	D	
2794	89	LEO	11 31 48.370	+03 20 16.99		-0.0123	-0.107	5.77	2	6.23	2	6.24	2	DF5	118929		
2795	90	LEO	11 32 06.403	+17 04 24.58		-0.0008	-0.002	5.95	2	5.79	2	5.14	2	B3V	99673	D	
2796	92	LEO	11 38 11.187	+21 37 50.48		-0.0044	-0.046	5.30						K0III	81941		
2797	93	LEO	11 45 24.461	+20 29 48.73		-0.0107	-0.008	4.53	2	5.08	2	5.36	2	A +G5III-I	81998		
2798	31	A LEO	10 05 15.131	+10 14 36.35		-0.0055	-0.065	4.37	2	5.82	2	7.57	2	F4III	98964	D	
2799	60	-B LEO	10 59 39.756	+20 26 54.17		-0.0008	+0.032	4.42	2	4.47	2	4.52	2	A M	81637		
2800	59	-C LEO	10 58 09.323	+06 22 13.55		-0.0034	-0.029	4.99	2	5.15	2	5.26	2	A2	118615	D	

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2801	58 -D LEO	10 57 58.703	+03 53 10.88		+0.0008	-0.020	4.84	2	6.00	2	7.12	2	K1III		118610		
2802	87 -E LEO	11 27 45.521	-02 43 38.71		+0.0011	-0.020	4.77	2	6.31	2	8.13	2	K4III		138238		
2803	15 -F LEO	09 40 37.667	+30 12 19.19		-0.0014	-0.105	5.60		5.720				A3V		61656		
2804	22 -G LEO	09 49 02.936	+24 37 58.22		+0.0005	-0.183	5.25		5.480				A5V		81054		
2805	6 -H LEO	09 29 16.852	+09 56 14.06		-0.0003	-0.016	5.12						K3III		117751	D	
2806	52 -K LEO	10 43 46.476	+14 27 33.03		-0.0087	-0.069	5.47						GG4		99282		
2807	53 -L LEO	10 46 37.797	+10 48 37.01		-0.0004	-0.028	5.28		5.290				A2V		99305		
2808	51 -M LEO	10 43 43.048	+19 09 20.39		+0.0068	-0.043	5.45						GK3		99281		
2809	73 -N LEO	11 13 15.007	+13 34 50.27		-0.0005	-0.013	5.34						K3III		99525		
2810	95 -O LEO	11 53 06.284	+15 55 30.08		+0.0006	-0.004	5.47		5.570				A3V		99869		
2811	-P- 1 LEO	10 51 10.905	-01 51 46.93		-0.0058	-0.009	5.45	2	6.41	2	7.18	2	GG6		137871		
2812	61 -P- 2 LEO	10 59 16.600	-02 12 53.94		+0.0009	-0.038	4.75	2	6.37	2	8.29	2	K5III		137947		
2813	62 -P- 3 LEO	11 01 03.021	+00 16 07.46		-0.0040	-0.003	5.95	2	7.17	2	8.49	2	GK3		118634		
2814	65 -P- 4 LEO	11 04 21.165	+02 13 38.29		-0.0256	-0.089	5.52	2	6.48	2	7.14	2	GG7		118668	D	
2815	69 -P- 5 LEO	11 11 11.950	+00 12 09.95		-0.0031	-0.006	5.42	2	5.39	2	5.34	2	A0		118731		
2816	R LEO	09 44 52.230	+11 39 41.87		+0.0001	-0.046	5.0						GM8E		98769	V	
2817	Y LEO	09 33 58.564	+26 27 26.73		+0.0015	-0.026	10.09	7					A	6	80927	V	
2818	Z LEO	09 49 16.360	+27 08 29.60		+0.0019	-0.005	9.9	7					M0	6	81057	V	
2819	AC LEO	09 57 30.383	+17 42 00.78		-0.0012	-0.008	9.0	6							98890	V	
2820	AD LEO	10 16 53.900	+20 07 19.18		-0.0346	-0.049	10.0	6					M4E	6	81292	V	
2821	AI LEO	11 37 53.632	+11 28 21.02		-0.0001	-0.012	8.9	6					MB	6	99725	V	
2822	AK LEO	11 38 13.261	+13 21 18.79		-0.0009	+0.001	8.7	6					MB	6	99730	V	
2823	AL LEO	09 55 27.805	+18 31 49.02		-0.0004	+0.007	9.4	6							98873	V	
2824	AM LEO	10 59 34.180	+10 09 53.20		+0.0006	-0.043	9.1	6					F8	6	99413	V	
2825	AP LEO	11 02 29.417	+05 25 21.53		+0.0036	-0.068	8.5	6					G0	6	118649	V	
2826	CV LEO	11 51 24.206	+20 46 05.82		+0.0006	-0.002	8.8	6					K7	6	82039	V	
2827	45 CX LEO	10 25 00.576	+10 01 04.88		+0.0004	-0.002	6.03		5.970				A P		99136	DV	
2828	CZ LEO	11 28 46.891	-04 01 25.39		-0.0005	-0.008	8.9	6					M5	7	138245	V	
2829	44 DE LEO	10 22 37.140	+09 02 22.81		+0.0007	-0.041	5.61	2	7.23	2	9.19	2	GM3		118286	V	
2830	SX LEO	11 01 05.328	-02 56 05.22		-0.0002	-0.016	9.0	6					MC	6	137968	V	
2831	49 TX LEO	10 32 24.801	+08 54 33.43		-0.0038	-0.010	5.67	2	5.72	2	5.77	2	A2		118380	DV	
2832	UV LEO	10 35 40.995	+14 31 39.52		+0.0001	+0.005	8.8	6					G5	6	99222	V	
2833	UZ LEO	10 37 53.923	+13 49 41.12		-0.0009	-0.037	9.3	6							99244	V	
2834	56 VY LEO	10 53 25.721	+06 27 09.31		-0.0016	-0.012	5.81	2	7.26	2	8.26	2	M5III		118576	V	
2835	WX LEO	11 53 38.203	+16 00 28.02		+0.0010	-0.039	8.5	6					MB	6	99874	V	
2836	32 ALP LEO	10 05 42.647	+12 12 44.54		-0.0170	+0.003	1.350	1	1.240	1	0.880	1	B7V		98967	DV?	
2837	94 BET LEO	11 46 30.605	+14 51 05.80		-0.0343	-0.119	2.140	1	2.220	1	2.300	1	A3V		98809	DV?	
2838	41 GAM- 1 LEO	10 17 13.120	+20 05 42.86		+0.0218	-0.151	2.293	1	3.443	1	4.443	1	K0III		81298	D	
2839	41 GAM- 2 LEO	10 17 13.401	+20 05 39.68		+0.0222	-0.173	3.483	1	4.633	1	5.633	1	G7III		81299	D	
2840	68 DEL LEO	11 11 27.085	+20 47 52.67		+0.0102	-0.135	2.560	1	2.680	1	2.790	1	A4V		81727	V?	
2841	17 EPS LEO	09 43 00.996	+24 00 19.62		-0.0033	-0.015	2.980	1	3.790	1	4.250	1	G0II		81004		
2842	36 ZET LEO	10 13 54.758	+23 40 01.93		+0.0013	-0.012	3.440	1	3.750	1	3.940	1	F0III		81265		
2843	30 ETA LEO	10 04 36.533	+17 00 26.17		-0.0001	-0.006	3.530	1	3.490	1	3.280	1	A0IB		98955		
2844	70 THE LEO	11 11 37.066	+15 42 11.38		-0.0042	-0.083	3.350	1	3.330	1	3.410	1	A2V		99512		
2845	78 IOT LEO	11 21 19.130	+10 48 17.56		+0.0113	-0.079	3.940	1	4.350	1	4.420	1	F2IV		99587	DV?	
2846	1 KAP LEO	09 21 44.777	+26 23 55.31		-0.0024	-0.050	4.46	2	5.69	2	7.00	2	K2III		80807	D	
2847	4 LAM LEO	09 28 52.248	+23 11 22.21		-0.0018	-0.042	4.31	2	5.85	2	7.74	2	K5III		80885	V?	
2848	24 MU LEO	09 49 55.434	+26 14 36.08		-0.0160	-0.060	3.880	1	5.100	1	6.500	1	K2III		81064		
2849	27 NU LEO	09 55 32.087	+12 41 02.93		-0.0017	-0.020	5.17		5.130				B9.5V		98876		
2850	5 XI LEO	09 29 15.137	+11 31 20.05		-0.0063	-0.086	5.68						K0III		98627	V?	

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2851	14 OMI	LEO 09 38 29.008	+10 07 14.64		-0.0097	-0.041	3.520	1	4.010	1	4.220	1	A2+F6II		98709	D	
2852	29 PI	LEO 09 57 34.334	+08 17 05.76		-0.0022	-0.026	4.70	2	6.30	2	8.22	2	M2III		118044		
2853	47 RHO	LEO 10 30 10.762	+09 33 52.22		-0.0006	-0.006	3.850	1	3.710	1	2.760	1	B1IB		118355	V?	
2854	77 SIG	LEO 11 18 33.490	+06 18 13.06		-0.0064	-0.015	4.050	1	3.990	1	3.860	1	B9V		118804		
2855	84 TAU	LEO 11 25 21.928	+03 07 54.52		+0.0011	-0.017	4.95	2	5.95	2	6.75	2	G8II-III		118875		
2856	91 UPS	LEO 11 34 23.255	-00 32 51.17		+0.0001	+0.038	4.30	2	5.31	2	6.05	2	G9III		138298		
2857	74 PHI	LEO 11 14 07.105	-03 22 40.76		-0.0075	-0.041	4.47	2	4.68	2	4.83	2	A7III-IV		138102	D	
2858	63 CHI	LEO 11 02 26.300	+07 36 24.10		-0.0230	-0.050	4.63	2	4.96	2	5.04	2	F2III-IV		118648	DV?	
2859	16 PSI	LEO 09 41 00.637	+14 15 05.06		+0.0002	-0.007	5.41						GM2		98733		
2860	2 OME	LEO 09 25 46.858	+09 16 32.01		+0.0036	-0.007	5.41	2	6.01	2	6.15	2	DF8		117717	D	
2861	7	LMI 09 27 42.239	+33 52 35.92		-0.0014	-0.049	5.80						GG8		61529		
2862	8	LMI 09 28 30.175	+35 19 31.32		-0.0046	-0.107	5.37						GM1		61540		
2863	9	LMI 09 30 26.554	+36 42 34.80		+0.0025	-0.039	6.26						GK4		61561		
2864	10	LMI 09 31 09.969	+36 37 14.38		+0.0005	-0.026	4.55	2	5.47	2	6.10	2	G8III		61570		
2865	11	LMI 09 32 39.993	+36 02 14.72		-0.0582	-0.248	5.41	2	6.18	2	6.62	2	G8IV-V		61586	D	
2866	13	LMI 09 39 42.261	+35 19 22.71		-0.0014	-0.052	5.95						DF1		61648		
2867	14	LMI 09 43 31.106	+45 20 51.61		+0.0052	-0.134	6.80	4					K0	4	43030		85
2868	15	LMI 09 45 22.443	+46 15 18.13		+0.0216	-0.095	5.10	2	5.72	2	5.80	2	G1V		43046		86
2869	16	LMI 09 47 09.987	+39 51 55.87		-0.0001	+0.005	6.76	4					K5	4	61707		
2870	17	LMI 09 49 20.180	+38 09 00.23		-0.0047	-0.022	6.74	4					F0	4	61725		
2871	18	LMI 09 53 35.690	+32 37 20.08		-0.0038	+0.010	6.60	4					F2	4	61771		87
2872	19	LMI 09 54 37.760	+41 17 40.83		-0.0106	-0.029	5.14	2	5.60	2	5.60	2	F5V		43115		
2873	20	LMI 09 58 08.015	+32 10 13.65		-0.0414	-0.433	5.35	2	6.01	2	6.29	2	G4V		61808		
2874	21	LMI 10 04 29.163	+35 29 21.43		+0.0041	+0.001	4.49	2	4.67	2	4.74	2	A7V		61874	V?	
2875	22	LMI 10 12 14.350	+31 43 01.44		-0.0029	-0.006	6.41						GG3		61953		
2876	23	LMI 10 13 24.248	+29 33 37.31		-0.0057	-0.028	5.30		5.310				A0V		81258		
2877	24	LMI 10 13 38.354	+28 56 00.07		-0.0042	-0.093	6.38						UG0		81259		
2878	27	LMI 10 20 13.866	+34 09 40.67		-0.0010	-0.011	5.69						A3		62010		
2879	28	LMI 10 21 16.440	+33 58 19.89		-0.0016	-0.008	5.56						GK1		62019		
2880	29	LMI 10 22 52.234	+35 40 50.05		-0.0090	-0.068	6.57	4					K0	4	62037		
2881	30	LMI 10 23 03.201	+34 03 05.10		-0.0057	-0.066	4.74	2	4.99	2	5.17	2	F0V		62038		
2882	32	LMI 10 27 11.723	+39 10 54.43		-0.0016	-0.007	5.87		5.940				A4III		62076		
2883	34	LMI 10 30 39.694	+35 14 48.44		-0.0025	-0.011	5.53		5.550				A2V		62121		
2884	35	LMI 10 33 29.616	+36 35 12.12		+0.0029	-0.042	6.15						DF3		62147		
2885	36	LMI 10 35 02.369	+34 20 19.20		-0.0019	+0.004	6.65	4					K0	4	62167		
2886	37	LMI 10 35 54.672	+32 14 11.49		+0.0001	+0.002	4.72	2	5.53	2	6.08	2	G2II		62173		
2887	38	LMI 10 36 16.452	+38 10 16.80		-0.0187	-0.044	5.72						DF8		62178		
2888	39	LMI 10 37 35.267	+27 47 11.08		+0.0004	-0.008	6.93	4					A2	4	81463		
2889	40	LMI 10 40 17.337	+26 35 19.14		-0.0078	-0.067	5.43		5.600				A5V		81485	D	
2890	41	LMI 10 40 42.018	+23 27 02.52		-0.0085	+0.004	5.01		5.050				A2V		81490		
2891	42	LMI 10 43 05.340	+30 56 46.23		-0.0019	-0.042	5.30		5.250				B9V		82236		
2892	43	LMI 10 46 11.985	+29 40 51.91		-0.0066	-0.046	6.16						SGK1		81533		
2893	44	LMI 10 47 09.082	+28 14 18.50		-0.0004	+0.028	6.04						DA8		81542		
2894	47	LMI 10 52 11.690	+34 18 07.64		-0.0049	-0.054	5.72						G67		82310		88
2895	48	LMI 10 51 59.434	+25 45 26.67		-0.0040	-0.001	6.09						A M		81576		
2896	50	LMI 10 53 51.827	+25 46 03.09		-0.0018	-0.019	6.22						K0		81591		
2897	51	LMI 11 02 35.538	+25 28 21.80		-0.0296	-0.072	7.49	4					G0	4	81657		
2898	52	LMI 11 04 23.754	+25 48 28.47		-0.0049	-0.021	6.73	4					F5	4	81674		89
2899	33 -H	LMI 10 29 01.329	+32 38 12.37		+0.0011	+0.001	5.85		5.930				A0IV	4	62101	D	
2900	R	LMI 09 42 34.691	+34 44 34.30		-0.0012	+0.009	6.3	4					M7E	4	61669	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C T.NO.	STAR PROP.	G N
2901	RS LMI	09 25 29.782	-36 22 44.93		+0.0008	+0.010	8.0	6					MR	6	61508	V	
2902	RV LMI	10 20 39.386	+30 06 09.43		-0.0008	-0.010	8.5	6							62013	V	
2903	RX LMI	10 39 23.503	+31 57 32.92		+0.0006	-0.026	6.16		7.77	7	9.54	7	M4IIIA	7	62206	V	
2904	31 BET LMI	10 24 59.888	+36 57 50.87		-0.0100	-0.105	4.21	2	5.11	2	5.76	2	G8III-IV		62053	D	
2905	46 OMI LMI	10 50 31.231	+34 29 05.62		+0.0069	-0.283	3.830	1	4.870	1	5.790	1	K0III-IV		62297		
2906	1 LEP	05 00 38.218	-22 51 55.02		+0.0039	+0.023	5.75	2	6.95	2			GK1		170010		
2907	8 LEP	05 21 12.779	-13 58 22.07		-0.0003	+0.003	5.25	2	5.04	2			B2IV		150396		
2908	10 LEP	05 28 59.116	-20 53 57.85		-0.0000	-0.045	5.55	2	5.55	2			A0		170506		
2909	12 LEP	05 40 07.633	-22 23 47.88		-0.0007	+0.017	5.87	2	5.98	2			A2		170715		
2910	17 LEP	06 02 45.162	-16 28 46.70		-0.0009	-0.003	4.93	2	5.17	2			A2P		151093	V?	
2911	19 LEP	06 05 31.044	-19 09 31.25		+0.0005	+0.053	5.31		6.970				GM2		151142		
2912	R LEP	04 57 19.727	-14 52 47.48		+0.0010	+0.020	6.0						C7-4E		150058	V	
2913	S LEP	06 03 41.862	-24 11 22.98		+0.0014	-0.019	6.0						M6	4	171222	V	
2914	T LEP	05 02 43.172	-21 58 18.75		-0.0005	-0.035	7.5	4					M7E		170041	V	
2915	Y LEP	05 06 46.742	-24 29 16.23		+0.0022	-0.005	9.1	6					M	6	170116	V	
2916	RR LEP	05 09 52.102	-13 15 29.70		+0.0000	-0.012	9.2	6					A0	6	150220	V	
2917	RX LEP	05 09 02.727	-11 54 35.85		+0.0014	+0.055	5.68		7.120				GM6		150206	V	
2918	RY LEP	05 46 00.821	-20 02 22.25		-0.0004	+0.040	8.23	5					F0	7	170854	V	
2919	11 ALP LEP	05 30 31.394	-17 51 24.18		-0.0004	+0.001	2.570	1	2.770	1	3.020	1	F0IB		150547	D	
2920	9 BET LEP	05 26 06.090	-20 47 52.90		-0.0006	-0.091	2.840	1	3.660	1	4.130	1	G5III		170457	D	
2921	13 GAM LEP	05 42 22.653	-22 27 48.30		-0.0212	-0.373	3.600	1	4.070	1	4.080	1	F6V		170759	D	
2922	15 DEL LEP	05 49 10.193	-20 52 55.23		+0.0160	-0.650	3.850	1	4.830	1	5.540	1	G8III		170926		
2923	2 EPS LEP	05 03 20.563	-22 26 12.86		+0.0013	-0.071	3.190	1	4.650	1	6.420	1	K5III		170051	V?	
2924	14 ZET LEP	05 44 41.296	-14 50 21.19		-0.0016	-0.003	3.55	2	3.65	2	3.71	2	A3V		150801		
2925	16 ETA LEP	05 54 07.554	-14 10 31.67		-0.0034	+0.136	3.720	1	4.050	1	4.050	1	F0V		150957		
2926	18 THE LEP	06 03 53.461	-14 55 45.55		-0.0014	+0.016	4.67	2	4.72	2	4.72	2	A1V		151110		
2927	3 IOT LEP	05 09 57.809	-11 55 39.95		+0.0014	-0.016	4.44	2	4.35	2	3.95	2	B8V		150223	D	
2928	4 KAP LEP	05 10 55.232	-12 59 57.16		-0.0014	-0.010	4.36	2	4.26	2	3.92	2	B8V		150239	D	
2929	6 LAM LEP	05 17 16.190	-13 13 37.19		-0.0007	-0.003	4.29	2	4.04	2	3.03	2	B0.5IV		150340		
2930	5 MU LEP	05 10 41.013	-16 15 47.97		+0.0023	-0.027	3.290	1	3.180	1	2.780	1	A P		150237		
2931	7 NU LEP	05 17 39.718	-12 21 55.61		+0.0009	+0.008	5.29						B7?V?NN		150345		
2932	2 LIB LEP	14 20 43.914	-11 29 12.00		-0.0009	-0.063	6.30						G7III		158528		
2933	3 LIB LEP	14 36 28.403	-24 48 47.93		+0.0021	-0.025	8.09	4					K0	4	182735		
2934	4 LIB LEP	14 40 19.767	-24 47 08.49		-0.0014	-0.005	5.75		5.740				B9		182795		
2935	5 LIB LEP	14 43 12.051	-15 14 59.84		-0.0024	-0.005	6.60						GK2		158788	D	
2936	10 LIB LEP	14 49 02.658	-18 09 01.41		-0.0010	-0.005	6.82	4					K0	4	158860		
2937	11 LIB LEP	14 48 25.251	-02 05 30.76		+0.0054	-0.127	4.95	2	5.93	2	6.63	2	G8III-IV		140176		
2938	12 LIB LEP	14 51 25.503	-24 26 20.00		-0.0007	-0.031	5.44						GK2		182983		
2939	16 LIB LEP	14 54 34.088	-04 08 38.37		-0.0069	-0.158	4.49	2	4.81	2	4.85	2	F0IV		140240		
2940	17 LIB LEP	14 55 30.544	-10 57 18.86		-0.0010	-0.019	6.42						A0		158935		
2941	18 LIB LEP	14 56 11.058	-10 56 39.18		-0.0071	-0.066	6.02						K3III-IVP		158946	D	
2942	22 LIB LEP	15 04 01.282	-16 17 30.91		-0.0045	-0.016	6.63	4					A0	4	159030		
2943	23 LIB LEP	15 10 32.985	-25 07 19.22		-0.0293	-0.073	6.45	2	7.15	2			DG4		183275		
2944	25 LIB LEP	15 10 27.954	-19 27 38.01		-0.0037	-0.041	6.08	2	6.20	2			A2		159105		
2945	26 LIB LEP	15 11 44.134	-17 34 59.22		-0.0017	-0.018	6.31		6.290				B9		159122		
2946	28 LIB LEP	15 18 03.244	-17 58 42.19		-0.0009	-0.065	6.17	2	7.19	2			GG8		159187		
2947	30 LIB LEP	15 20 14.159	-14 57 24.85		-0.0002	+0.015	6.74	4					K2	4	159212		
2948	32 LIB LEP	15 25 25.910	-16 32 36.71		+0.0011	-0.036	5.92						K5III		159280		
2949	33 LIB LEP	15 26 44.732	-17 16 10.98		-0.0051	+0.007	7.23	4					F0P	4	159292		
2950	34 LIB LEP	15 27 50.843	-16 26 21.35		+0.0011	-0.003	5.86						G66		159307		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
2951	36 LIB	15 31 35.056	-27 52 47.95		+0.0011	-0.036	5.19						GK4		183580		
2952	37 LIB	15 31 26.466	-09 53 40.37		+0.0205	-0.241	4.62	2	5.63	2	6.48	2	K1IV		140609		
2953	41 LIB	15 36 01.533	-19 08 19.16		+0.0059	-0.080	5.38	2	6.24	2	6.78	2	G8III		159411	V?	
2954	42 LIB	15 37 19.173	-23 39 25.48		-0.0013	-0.018	4.96	2	6.29	2	7.80	2	GK4		183686		
2955	47 LIB	15 52 06.681	-19 14 12.69		-0.0012	-0.024	5.93	2	5.91	2		2	B5V?		159572	D	
2956	49 LIB	15 57 30.952	-16 23 15.25		-0.0442	-0.396	5.48	2	6.00	2	6.02	2	F8V		159625		
2957	50 LIB	15 58 05.433	-08 16 17.12		-0.0012	-0.018	5.55	2	5.60	2	5.55	2	A0		140897		
2958	R LIB	15 50 45.767	-16 05 19.49		-0.0021	+0.014	9.5	4							159561	V	
2959	S LIB	15 18 31.171	-20 12 32.31		-0.0038	+0.011	8.0	4					M2E	4	183401	V	
2960	V LIB	14 37 34.862	-17 26 35.95		-0.0012	+0.004	9.0	7							158719	V	
2961	EH LIB	14 56 21.520	-00 44 57.27		-0.0008	-0.026	9.3	6	9.48	7			A5	6	140257	V	
2962	EI LIB	15 31 25.452	-22 50 02.58		+0.0006	-0.012	9.2	6					A2	6	183578	V	
2963	ES LIB	15 14 03.148	-12 51 21.50		+0.0006	-0.002	7.0	6					A2	6	159146	V	
2964	48 FX LIB	15 55 23.102	-14 08 11.73		-0.0010	-0.019	4.87	2	4.77	2	4.61	2	B P		159607	V	
2965	RV LIB	14 33 01.226	-17 49 07.45		-0.0016	-0.029	9.8	7					G5	6	158665	V	
2966	UW LIB	14 28 08.377	-16 35 20.37		+0.0009	+0.006	9.0	6					K0	6	158607	V	
2967	8 ALP- LIB	14 47 54.959	-15 47 25.90		-0.0070	-0.072	5.16	2	5.57	2	5.53	2	F5IV		158836	D	
2968	9 ALP- LIB	14 48 06.447	-15 50 06.59		-0.0075	-0.071	2.750	1	2.900	1	2.990	1	A M		158840	D	
2969	27 BET LIB	15 14 18.732	-09 11 58.93		-0.0066	-0.023	2.610	1	2.500	1	2.130	1	B8V		140430		
2970	38 GAM LIB	15 32 43.474	-14 37 27.13		+0.0043	+0.003	3.910	1	4.930	1	5.670	1	G8III-IV		159370	D	
2971	19 DEL LIB	14 58 17.808	-08 19 18.19		-0.0045	-0.009	4.93	2	4.93	2	4.82	2	A0		140270	V	
2972	31 EPS LIB	15 21 29.016	-10 08 37.90		-0.0048	-0.158	4.94	2	5.38	2	5.40	2	F5V		159234		
2973	35 ZET LIB	15 30 05.435	-16 41 04.86		-0.0009	-0.018	5.50	2	5.36	2			B2VNN		159335		
2974	44 ETA LIB	15 41 15.348	-15 30 53.77		-0.0025	-0.067	5.41	2	5.64	2			ASM		159466		
2975	46 THE LIB	15 50 58.435	-16 35 02.80		+0.0068	+0.129	4.16	2	5.17	2	5.99	2	K0III-IV		159563		
2976	24 IOT LIB	15 09 21.946	-19 36 13.70		-0.0027	-0.043	4.54	2	4.46	2	4.08	2	A SI		159090	DV?	
2977	43 KAP LIB	15 39 03.636	-19 31 05.62		-0.0027	-0.107	4.72	2	6.30	2	8.24	2	K5III		159442	V?	
2978	45 LAM LIB	15 50 25.602	-20 01 08.70		-0.0008	-0.027	5.03	2	5.02	2			B3V		183895		
2979	7 MU LIB	14 46 34.325	-13 56 30.44		-0.0044	-0.019	5.38		5.440				A P+AP		158821	D	
2980	21 NU LIB	15 03 49.929	-16 03 51.08		-0.0031	-0.025	5.28						K5III		159028		
2981	13 XI - 1 LIB	14 51 39.719	-11 41 43.99	C	-0.0038	-0.015	5.84						GG7		158887		
2982	15 XI - 2 LIB	14 54 03.040	-11 12 32.66		+0.0004	+0.004	5.63						K4III		158915		
2983	29 OMI LIB	15 18 13.354	-15 22 09.69		+0.0015	+0.021	6.11						A6N		159191		
2984	20 SIG LIB	15 01 08.247	-25 05 12.27		-0.0054	-0.047	3.270	1	4.980	1	6.940	1	M4III		183139	V	
2985	40 TAU LIB	15 35 34.733	-29 36 53.56		-0.0011	-0.033	3.650	1	3.470	1	2.780	1	B2.5V		183649		
2986	39 UPS LIB	15 33 58.965	-27 58 15.39		-0.0006	-0.002	3.570	1	4.960	1	6.550	1	K5III		183619	D	
2987	-A LUP	14 34 02.921	-45 55 00.95		-0.0014	-0.023	5.41	2	6.41	2	7.12	2	K0III		225062	D	
2988	-B LUP	14 43 30.576	-52 10 23.89		-0.0018	-0.088	5.20						G8III		241992	D	
2989	-C LUP	14 52 42.802	-52 36 29.25		+0.0035	-0.002	5.56						A2V		242120		
2990	-D LUP	15 32 26.018	-44 47 33.65		-0.0024	-0.032	4.540	1	4.360	1	3.680	1	B5IV		225950	D	
2991	-E LUP	15 09 27.370	-44 18 47.18		-0.0032	-0.031	4.820	1	4.650	1	3.980	1	B3III		225539		
2992	2 -F LUP	15 14 46.871	-29 57 58.36		-0.0007	-0.010	4.33	2	5.43	2	6.50	2	GK0		183346	V?	
2993	-G LUP	15 37 44.506	-44 29 50.11		-0.0167	-0.263	4.640	1	5.040	1	5.020	1	F5IV-V		226064		
2994	-H LUP	15 39 22.827	-37 15 57.64		-0.0043	-0.021	5.31						GK0		206887		
2995	1 -I LUP	15 11 33.112	-31 20 01.92		-0.0004	-0.003	4.91	2	5.28	2	5.57	2	F0I		206445		
2996	-K LUP	15 22 05.129	-38 33 28.63		-0.0045	-0.019	4.60	2	4.60	2	4.54	2	A0IV		206616		
2997	FQ LUP	15 40 18.176	-37 00 42.72		+0.0021	-0.036	8.5	6					MB	6	206905	V	
2998	FW LUP	15 19 07.181	-40 44 53.27		-0.0007	-0.013	9.0	6					G0	6	225707	V	
2999	GG LUP	15 15 39.108	-40 36 23.29		-0.0013	-0.027	5.59	2	5.49	2			B9V		225647	V	
3000	GH LUP	15 20 56.507	-52 40 38.86		-0.0005	+0.004	7.6	6					G5	6	242485	V	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
3001	GM LUP	15 01 27.884	-40 39 59.93		-0.0014	-0.042	6.41	2	7.87	2			GM4		225422	V	
3002	RX LUP	15 42 55.581	-47 54 04.69		-0.0007	-0.010	10.0	6							226172	V	
3003	ALP LUP	14 38 35.530	-47 10 29.32		-0.0017	-0.020	2.300	1	2.100	1	1.220	1	B2II		225128	DV	
3004	BET LUP	14 55 14.787	-42 56 02.06		-0.0034	-0.043	2.680	1	2.460	1	1.610	1	B2IV		225335		
3005	GAM LUP	15 31 47.990	-41 00 00.97		-0.0014	-0.031	2.780	1	2.580	1	1.760	1	B2VN		225938	D	
3006	DEL LUP	15 18 04.851	-40 28 04.92		-0.0014	-0.032	3.220	1	3.000	1	2.130	1	B2IV		225691	V	
3007	EPS LUP	15 19 16.513	-44 30 40.20		-0.0018	-0.015	3.370	1	3.190	1	2.460	1	B3IV		225712	D	
3008	ZET LUP	15 08 40.758	-51 54 37.80		-0.0116	-0.070	3.410	1	4.330	1	4.990	1	B8III		242304	D	
3009	ETA- 1 LUP	15 56 48.024	-38 15 19.98		-0.0019	-0.034	3.410	1	3.190	1	2.350	1	B2V		207208	D	
3010	ETA- 2 LUP	15 56 48.448	-38 15 05.34		-0.0027	-0.027	7.69	4							207209	D	
3011	THE LUP	16 03 18.108	-36 40 04.52		-0.0016	-0.033	4.230	1	4.050	1	3.370	1	B2VN		207332		
3012	IOT LUP	14 16 11.449	-45 49 41.82		-0.0013	-0.001	3.550	1	3.370	1	2.650	1	B3IV		224833	V?	
3013	KAP- 1 LUP	15 08 26.767	-48 32 57.11		-0.0097	-0.049	3.874	2	3.844	2	3.724	2	B9V		225525	D	93
3014	KAP- 2 LUP	15 08 28.350	-48 33 18.67		-0.0103	-0.042	5.774	2	5.744	2	5.624	2	A0		225526	D	94
3015	LAM LUP	15 05 27.871	-45 05 19.99		-0.0015	-0.022	4.050	1	3.870	1	3.190	1	B3V		225483	D	
3016	MU LUP	15 15 02.583	-47 41 33.44		-0.0025	-0.040	4.27	2	4.18	2	3.81	2	B8		225638	D	
3017	NU - 1 LUP	15 18 38.610	-47 44 50.48		-0.0135	-0.139	5.00	2	5.50	2			DF7		225703		
3018	NU - 2 LUP	15 18 25.192	-48 08 05.84		-0.1615	-0.271	5.65	2	6.30	2			G2V		225697		
3019	XI - 1 LUP	15 53 41.256	-33 49 17.51		+0.0015	-0.045	5.177	2	5.267	2	5.347	2	A1		207144	D	95
3020	XI - 2 LUP	15 53 41.908	-33 49 10.11		+0.0016	-0.042	5.538	2	5.628	2	5.708	2	A0		207145	D	96
3021	OMI LUP	14 48 21.892	-43 22 11.08		-0.0019	-0.030	4.330	1	4.190	1	3.580	1	B6III?		225248	D	
3022	PI LUP	15 01 42.170	-46 51 24.82		-0.0019	-0.021	3.89	2	3.75	2	3.17	2	B5IV+B5IV		225426	D	97
3023	RHO LUP	14 34 30.605	-49 12 32.68		-0.0031	-0.022	4.05	2	3.90	2	3.34	2	B5V		225071		
3024	SIG LUP	14 29 14.049	-50 14 11.84		-0.0043	-0.013	4.42	2	4.23	2	3.39	2	B2V		241781		
3025	TAU- 1 LUP	14 22 54.967	-44 59 46.85		-0.0012	-0.015	4.560	1	4.410	1	3.620	1	B3III		224919	V	
3026	TAU- 2 LUP	14 22 57.189	-45 09 15.94		+0.0014	-0.011	4.350	1	4.780	1	4.960	1	DF7		224920	D	
3027	UPS LUP	15 21 28.446	-39 32 00.41		-0.0033	-0.050	5.38						A0SI		206597	D	
3028	PHI- 1 LUP	15 18 37.512	-36 04 53.19		-0.0075	-0.087	3.560	1	5.100	1	6.970	1	K5III		206552	D	
3029	PHI- 2 LUP	15 19 57.180	-36 40 50.36		-0.0015	-0.025	4.540	1	4.390	1	3.770	1	B5V		206580		
3030	CHI LUP	15 47 46.468	-33 28 35.36		-0.0007	-0.032	3.950	1	3.910	1	3.770	1	A P		207040		
3031	3 PSI- 1 LUP	15 36 35.033	-34 15 00.34		+0.0013	-0.004	4.67	2	5.67	2	6.40	2	G68		206843		
3032	4 PSI- 2 LUP	15 39 29.406	-34 33 05.21		-0.0017	-0.032	4.750	1	4.610	1	4.070	1	B6V		206889		
3033	OME LUP	15 34 40.555	-42 24 17.46		-0.0131	+0.058	4.33	2	5.76	2	7.48	2	M0III		226004	D	
3034	2 LYN	06 15 12.749	+59 01 54.24		-0.0007	+0.025	4.48	2	4.49	2	4.52	2	A2V		25665	V?	
3035	3 LYN	06 17 30.382	+61 47 08.84		+0.0003	-0.112	7.15	4					F0	4	13818		
3036	4 LYN	06 17 37.445	+59 23 46.56		+0.0001	+0.004	5.93						A2		25678	D	
3037	5 LYN	06 22 27.087	+58 26 49.89		-0.0004	-0.009	5.33						K4III		25733	D	
3038	6 LYN	06 26 26.741	+58 12 07.46		-0.0027	-0.336	5.88	2	6.82	2	7.48	2	K0IV		25771		
3039	7 LYN	06 30 23.285	+55 23 32.05		+0.0004	+0.003	6.38						K0		25814		
3040	8 LYN	06 33 07.503	+61 31 40.35		-0.0284	-0.278	5.91		6.810				G67		13897		
3041	9 LYN	06 31 49.240	+56 25 41.18		-0.0042	-0.054	6.53	4					F2	4	25829		
3042	11 LYN	06 33 23.589	+56 54 01.58		+0.0001	-0.011	5.77						A0		25842		
3043	12 LYN	06 41 49.358	+59 29 41.90		-0.0028	-0.003	4.87	2	4.95	2	5.02	2	A2N		25939	D	
3044	13 LYN	06 42 34.030	+57 13 25.14		+0.0027	-0.039	5.38						K0III-IV		25947		
3045	14 LYN	06 48 40.820	+59 30 37.68		-0.0006	-0.040	5.38						G60		26012	D	
3046	15 LYN	06 52 57.126	+58 29 26.92		-0.0003	-0.136	4.35	2	5.20	2	5.71	2	G5III-IV		26051	D	
3047	16 LYN	06 53 58.335	+45 09 40.72		-0.0021	-0.001	4.90	2	4.93	2	4.98	2	A2V		41463	V?	
3048	17 LYN	07 05 09.524	+60 52 24.38		-0.0011	-0.050	6.73	4					K0	4	14095		
3049	18 LYN	07 11 33.384	+59 43 44.86		-0.0123	-0.259	5.22						K2III		26248		
3050	19 A LYN	07 18 47.691	+55 22 40.73		-0.0002	-0.031	5.61						B8		26312	D	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
3051	19 B LYN	07 18 46.483	+55 22 51.68		+0.0005	-0.026	6.53						A0		26311	D	
3052	21 LYN	07 22 56.847	+49 18 46.66		-0.0012	-0.046	4.64	2	4.62	2	4.60	2	A1IV		41764		
3053	22 LYN	07 26 08.560	+49 46 40.59		+0.0118	-0.081	5.36	2	5.81	2	5.75	2	F6V		41808		
3054	23 LYN	07 36 41.921	+57 11 57.00		-0.0018	-0.012	6.06						GK5		26459		
3055	24 LYN	07 38 47.235	+58 49 47.02		-0.0047	-0.052	4.99	2	5.07	2	5.16	2	A3III		26474	D	
3056	25 LYN	07 50 51.445	+47 31 02.53		-0.0017	+0.003	6.23						GK2		42055		
3057	26 LYN	07 51 04.651	+47 41 46.35		-0.0048	-0.000	5.555						GK4		42058		
3058	27 LYN	08 04 42.307	+51 39 09.91		-0.0064	-0.007	4.84	2	4.89	2	4.89	2	A2V		26687	D	
3059	28 LYN	08 03 42.454	+43 24 20.78		-0.0007	-0.032	6.20						A0		42174		
3060	29 LYN	08 13 42.052	+59 43 35.42		-0.0001	+0.001	5.52						A5		26756		
3061	30 LYN	08 16 24.598	+57 54 03.90		+0.0076	+0.012	5.89						DF2		26784		
3062	31 LYN	08 19 25.154	+43 21 00.83		-0.0016	-0.100	4.25	2	5.80	2	7.71	2	K5III		42319		
3063	32 LYN	08 30 09.596	+36 36 26.92		-0.0119	-0.004	6.06						DF1		60896		
3064	33 LYN	08 31 31.413	+36 35 33.31		-0.0026	-0.048	5.71		5.750				A2III		60907		
3065	34 LYN	08 37 34.214	+46 00 39.49		+0.0022	+0.088	5.35						G8IV		42490		
3066	35 LYN	08 48 35.956	+43 54 51.14		-0.0013	+0.044	5.17						K0III		42576		
3067	36 LYN	09 10 32.470	+43 25 30.92		-0.0026	-0.036	5.19		5.050				A1		42759		
3068	37 LYN	09 17 16.198	+51 28 35.39		-0.0040	+0.146	6.05						DF3		27215	D	90
3069	38 LYN	09 15 44.343	+37 00 55.56		-0.0025	-0.127	3.820	1	3.880	1	3.930	1	A3V		61391	D	91
3070	39 LYN	09 19 08.230	+49 45 31.88		-0.0029	-0.003	6.86	4					B9	4	42825	D	92
3071	41 LYN	09 25 23.853	+45 49 18.84		-0.0010	-0.127	5.43						GG5		42876		
3072	42 LYN	09 35 14.861	+40 27 55.05		-0.0016	+0.002	5.18						A6N		42958		
3073	43 LYN	09 38 54.884	+39 59 12.85		-0.0047	-0.043	5.36						G8III		61636		
3074	R LYN	06 57 10.767	+55 24 06.74		-0.0005	+0.005	6.5	4					SE	4	26097	V	
3075	Y LYN	07 24 33.511	+46 05 35.76		-0.0004	+0.000	6.9	4					MB	4	41784	V	
3076	RR LYN	06 22 12.691	+56 18 51.47		-0.0026	+0.020	5.64	2	5.88	2	6.00	2	A M		25731	V	
3077	RS LYN	07 14 28.716	+48 36 38.02		+0.0014	-0.015	8.8	6					MC	6	41678	V	
3078	SU LYN	06 38 45.743	+55 31 24.87		+0.0011	-0.004	8.3	6					M2	6	25893	V	
3079	SV LYN	08 00 23.811	+36 29 10.23		-0.0003	-0.035	6.8	6					MB	6	60532	V	
3080	SW LYN	08 04 16.846	+41 56 46.98		-0.0014	-0.037	8.9	6					F2	6	42180	V	
3081	SZ LYN	08 06 06.302	+44 37 09.70		-0.0006	-0.026	8.9	6	9.16	7			F2	6	42201	V	
3082	TZ LYN	08 27 52.020	+40 23 38.48		-0.0010	-0.041	6.66	4					A0P	7	42408	V	
3083	UV LYN	09 00 13.796	+38 17 47.83		-0.0054	+0.010	9.0	6							61222	V	
3084	1 UW LYN	06 13 18.309	+61 32 03.51		-0.0003	-0.004	6.90						GM3		13787	V	
3085	UX LYN	09 00 35.781	+38 56 28.00		-0.0012	-0.024	6.70	4	8.17	7			M6III	7	61226	V	
3086	40 ALP LYN	09 18 00.865	+34 36 18.56		-0.0181	+0.013	3.130	1	4.680	1	6.630	1	M0III		61414	V?	
3087	16 LYN	19 00 01.391	+46 51 46.94		+0.0014	-0.083	5.02	2	5.21	2	5.30	2	A7		48011	D	
3088	17 LYN	19 05 32.035	+32 25 18.11		+0.0100	+0.023	5.00						DA7		67835	D	
3089	19 LYN	19 09 50.832	+31 11 55.92		-0.0008	+0.001	5.74		5.680				A0SI		67946		
3090	13 R LYN	18 53 48.728	+43 52 45.51		+0.0019	+0.084	4.000	1	5.590	1	7.000	1	M5III		47919	V	
3091	T LYN	18 30 36.185	+36 57 38.89		+0.0006	+0.010	7.8	4					N3	4	67087	V	
3092	W LYN	18 13 11.720	+36 39 12.05		+0.0006	-0.013	8.8	6					M3E-M6.5E	7	66794	V	
3093	EY LYN	18 38 57.816	+31 37 29.94		-0.0007	+0.003	9.0	6					MB	6	67243	V	
3094	FL LYN	19 10 37.583	+46 14 18.17		-0.0000	+0.072	8.9	6					G5	6	48190	V	
3095	KP LYN	18 29 11.023	+38 36 13.75		+0.0008	-0.028	8.6	6							67056	V	
3096	OQ LYN	18 54 56.654	+31 08 01.59		+0.0002	+0.011	8.8	6							67609	V	
3097	OU LYN	19 09 44.314	+32 31 46.77		-0.0012	+0.009	8.7	6					MB	6	67941	V	
3098	RR LYN	19 23 52.140	+42 41 11.91		-0.0110	-0.184	7.2	4	7.34	7			F5	4	48421	V	
3099	TT LYN	19 25 57.680	+41 35 55.51		-0.0028	+0.006	8.8	6							48466	V	
3100	XY LYN	18 36 27.280	+39 37 22.79		+0.0001	+0.006	5.8						CM4		67193	V	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
3101	V 398 Lyr	19 06 31.368	+39 04 27.22		-0.0001	+0.011	7.55	4					M6	7	67859	V	
3102	3 ALP Lyr	18 35 14.655	+38 44 09.68		+0.0171	+0.285	.030	1	0.030	1	0.030	1	A0V		67174	DV?	
3103	10 BET- 1 Lyr	18 48 13.935	+33 18 12.51		+0.0000	-0.002	3.420	1	3.420	1	2.850	1	B PE		67451	DV	
3104	10 BET- 2 Lyr	18 48 15.800	+33 17 33.28		-0.0003	-0.004	7.78	4					B7V		67453	D	
3105	14 GAM Lyr	18 57 04.294	+32 37 11.26		-0.0005	+0.002	3.240	1	3.190	1	3.110	1	B9III		67663	DV?	
3106	11 DEL- 1 Lyr	18 51 58.672	+36 54 29.15		-0.0001	-0.003	5.51						B3		67537	V?	
3107	12 DEL- 2 Lyr	18 52 45.207	+36 50 02.93		-0.0011	+0.010	4.30	2	5.97	2	7.62	2	M4II		67559	DV	
3108	4 EPS- 1A Lyr	18 42 40.873	+39 37 00.09		+0.0011	+0.059	5.06						A2		67310	D	
3109	4 EPS- 1B Lyr	18 42 40.865	+39 37 03.39		-0.0001	+0.059	6.02						A4		67309	D	
3110	5 EPS- 2 Lyr	18 42 43.325	+39 33 33.98	L	+0.0003	+0.064	4.496						A3+A5		67315	DV?	9A
3111	6 ZET- 1 Lyr	18 43 02.939	+37 33 06.27		+0.0020	+0.024	4.36	2	4.55	2	4.71	2	A M		67321	DV?	
3112	7 ZET- 2 Lyr	18 43 04.779	+37 32 28.32		+0.0015	+0.019	5.74	2	6.02	2	6.08	2	F0IV		67324	DV?	
3113	20 ETA Lyr	19 12 03.290	+39 03 32.09		+0.0000	+0.003	4.38	2	4.24	2	3.57	2	B2IV		68010	DV?	
3114	21 THE Lyr	19 14 37.858	+38 02 37.02		-0.0005	+0.004	4.37	2	5.62	2	6.85	2	K0II		68065		
3115	18 IOT Lyr	19 05 30.954	+36 01 14.52		-0.0003	-0.001	5.17		5.060				B7IV		67834		
3116	1 KAP Lyr	18 18 06.453	+36 02 27.36		-0.0016	+0.043	4.34	2	5.51	2	6.70	2	K2III		66869	V?	
3117	15 LAM Lyr	18 58 07.566	+32 04 28.02		+0.0008	+0.013	4.96						K3II		67682		
3118	2 MU Lyr	18 22 34.868	+39 28 43.85		-0.0019	-0.007	5.05		5.080				A3III		66943		
3119	8 NU - 1 Lyr	18 47 54.152	+32 45 14.11		+0.0002	-0.008	5.80						B2		67441	D	
3120	9 NU - 2 Lyr	18 48 00.801	+32 29 31.74		-0.0010	-0.014	5.14		5.200				A3V		67446	D	
3121	TZ MEN	05 39 50.784	-84 48 57.74		-0.0074	+0.047	6.20	2	6.18	2	6.07	2	A1V		258418	V	
3122	ALP MEN	06 11 43.975	-74 44 12.46		+0.0310	-0.211	5.09	2	5.81	2	6.14	2	G5V		256274		
3123	BET MEN	05 03 21.302	-71 22 58.14		+0.0007	+0.025	5.31	2	6.31	2	7.08	2	K0		256154		
3124	GAM MEN	05 33 51.219	-76 22 40.30		+0.0318	+0.285	5.19	2	6.32	2	7.50	2	K4III		256201	D	
3125	DEL MEN	04 21 18.209	-80 19 58.75		+0.0063	+0.064	5.69	2	6.53	2	7.06	2	K0P		258372		
3126	EPS MEN	07 28 25.568	-78 59 27.44		-0.0114	+0.010	5.53	2	6.81	2	8.23	2	K2		256415		
3127	ZET MEN	06 44 14.538	-80 45 48.14		-0.0074	+0.057	5.64	2	5.84	2	5.99	2	A4IV		258451		
3128	ETA MEN	04 56 36.505	-75 00 52.73		+0.0072	+0.058	5.47	2	6.99	2	8.81	2	K6III		256145		
3129	THE MEN	06 59 45.989	-79 21 01.00		-0.0032	-0.002	5.45	2	5.50	2	5.43	2	A0		256355		
3130	IOT MEN	05 38 39.383	-78 50 55.65		+0.0034	+0.018	6.05	2	6.03	2	5.70	2	B9		256214		
3131	KAP MEN	05 53 38.860	-79 22 19.42		-0.0073	+0.066	5.47	2	5.39	2	5.15	2	B9		256248		
3132	LAM MEN	05 48 49.302	-72 43 00.84		+0.0047	+0.020	6.53	2	7.61	2	8.58	2	K0		256239		
3133	MU MEN	04 43 33.295	-71 01 22.82		+0.0030	+0.034	5.54	2	5.42	2	4.96	2	B9IV		256122		
3134	NU MEN	04 25 18.896	-81 41 45.12		-0.0001	+0.131	5.79	2	6.14	2	6.19	2	A5M		258378		
3135	XI MEN	05 04 29.049	-82 32 26.44		-0.0076	+0.008	5.85	2	6.78	2	7.42	2	G8III		258395		
3136	PI MEN	05 41 07.562	-80 30 32.66		+0.1113	+1.064	5.65	2	6.25	2	6.36	2	G3IV		258421		
3137	T MIC	20 24 52.534	-28 25 39.22		+0.0009	+0.003	7.1	4					M6E	4	189308	V	
3138	AT MIC	20 38 43.685	-32 36 35.18		+0.0216	-0.331	10.0	6	11.44	7			PEC	6	212355		
3139	AU MIC	20 42 03.756	-31 31 05.28		+0.0212	-0.348	8.4	6	9.84	7	10.79	7	MOVE	7	212402	DV	
3140	VY MIC	20 45 59.901	-33 55 03.36		-0.0007	+0.034	9.5	6					A3	6	212461	V	
3141	ZZ MIC	20 57 17.815	-42 51 06.94		+0.0052	-0.064	9.7	6					A2	6	230477	V	
3142	ALP MIC	20 46 50.972	-33 57 58.21		+0.0008	-0.022	4.89	2	5.89	2	6.62	2	G67		212472	D	
3143	BET MIC	20 48 52.686	-33 21 57.72		+0.0012	+0.017	6.03						A2		212499		
3144	GAM MIC	20 58 13.731	-32 27 16.32		-0.0000	+0.008	4.67	2	5.56	2	6.10	2	G4III		212636	D	
3145	DEL MIC	21 03 00.214	-30 19 29.77		+0.0026	-0.069	5.71						GK0		212709		
3146	EPS MIC	21 14 54.649	-32 22 57.73		+0.0045	-0.024	4.71	2	4.77	2	4.79	2	A2P		212874		
3147	ZET MIC	20 59 46.618	-38 49 41.15		-0.0024	-0.110	5.35						DF2		212666		
3148	ETA MIC	21 03 10.705	-41 35 12.42		+0.0024	-0.013	5.56						GK2		230523		
3149	THE- 1 MIC	21 17 34.153	-41 01 19.95		+0.0060	-0.003	4.82	2	4.84	2	4.77	2	A P		230644	V	
3150	THE- 2 MIC	21 21 13.966	-41 13 19.78		+0.0027	+0.003	5.76	2	5.72	2			A0SI		230667	D	

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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
3151	IOT	MIC	20 45 06.202	-44 10 20.19	+0.0173	-0.104	5.10	2	5.45	2			F1V		230379	n	
3152	NU	MIC	20 30 29.353	-44 41 13.91	+0.0015	-0.035	5.30						G69		230276		
3153	2	MON	05 56 41.802	-09 33 37.00	+0.0007	-0.054	5.04	2	5.23	2	5.39	2	A M		132715		
3154	3	MON	05 59 29.204	-10 35 49.89	-0.0009	-0.002	4.94	2	4.82	2	4.24	2	B5IV		151037	D	99
3155	4	MON	06 06 04.791	-11 08 13.64	+0.0007	-0.007	6.77	4					A2	4	151154		
3156	6	MON	06 15 14.028	-10 42 19.15	-0.0006	-0.009	6.67						F0		151318		
3157	7	MON	06 17 18.205	-07 48 01.79	-0.0007	-0.002	5.26	2	5.07	2	4.32	2	B2V		133114		
3158	9	MON	06 24 32.193	-04 19 27.73	-0.0004	-0.007	6.88	4					B5	4	133267		
3159	10	MON	06 25 29.351	-04 43 47.03	-0.0007	-0.000	5.05	2	4.87	2	4.10	2	B2V		133290		
3160	12	MON	06 29 39.948	+04 53 36.14	-0.0027	-0.007	5.83	2	6.83	2	7.61	2	K0III		114023	V?	
3161	13	MON	06 30 11.958	+07 22 16.36	-0.0002	-0.008	4.50	2	4.50	2	4.32	2	A0IB		114034		
3162	14	MON	06 32 03.838	+07 36 46.81	-0.0008	-0.005	6.45	2	6.43	2	6.40	2	A0		114085	D	
3163	16	MON	06 43 48.773	+08 38 30.21	-0.0004	-0.008	5.93	2	5.76	2	5.07	2	B3V		114388		
3164	17	MON	06 44 36.888	+08 05 34.26	-0.0019	-0.014	4.77	2	6.17	2	7.82	2	K4III		114410		
3165	18	MON	06 45 15.171	+02 28 06.45	-0.0014	-0.013	4.46	2	5.57	2	6.61	2	K0III		114428		
3166	19	MON	07 00 25.747	-04 09 54.91	-0.0011	-0.001	5.00	2	4.80	2	3.87	2	B1V		134106	V?	
3167	20	MON	07 07 44.624	-04 09 27.36	-0.0004	+0.214	4.92	2	5.95	2	6.73	2	K0III		134282		
3168	21	MON	07 08 50.243	-00 13 04.59	-0.0023	-0.013	5.46	2	5.75	2	5.89	2	A8N		134316	V	
3169	24	MON	07 12 45.781	-00 04 22.96	-0.0016	-0.004	6.41	2	7.31	2	7.88	2	G65		134414	D	
3170	25	MON	07 34 47.496	-03 59 52.74	-0.0049	+0.014	5.12	2	5.56	2	5.68	2	F5III		134899	n	
3171	27	MON	07 57 14.251	-03 32 31.18	-0.0039	-0.008	4.93	2	6.14	2	7.35	2	K2III		135345		
3172	28	MON	07 58 40.675	-01 15 08.75	+0.0038	-0.077	4.67	2	6.16	2	7.93	2	K4III		135380		
3173	30	MON	08 23 09.718	-03 44 31.46	-0.0047	-0.027	3.900	1	3.880	1	3.850	1	A0V		135896		10n
3174	31	MON	= F HYA														
3175	15	S	06 38 13.429	+09 56 37.02	+0.0001	-0.007	4.66	2	4.42	2	3.35	2	O7		114258	DV	
3176		T	06 22 31.027	+07 06 53.22	+0.0010	+0.004	5.60		6.800				F7IAB		113845	V	
3177		U	07 28 24.264	-09 40 15.41	-0.0016	-0.004	5.6	4					G5	4	134775	V	
3178		V	06 20 12.434	-02 10 10.00	+0.0017	-0.067	6.0	4					M6E	4	133182	V	
3179		X	06 54 48.331	-08 59 48.39	-0.0023	-0.004	8.4	6					GM3E-M4	7	133942	V	
3180		Z	06 30 25.105	-08 50 02.42	-0.0028	-0.008	8.6	6					K5	6	133392	V	
3181	AP	MON	07 07 07.584	-06 39 02.98	-0.0011	+0.020	8.7	6					M2	6	134271	V	
3182	AR	MON	07 18 20.454	-05 09 54.68	+0.0020	-0.009	8.8	6					K0	6	134544	V	
3183	AU	MON	06 52 22.469	-01 18 40.78	-0.0014	-0.021	8.8	6					B5	6	133887	V	
3184	AX	MON	06 27 52.409	+05 54 08.03	+0.0007	-0.026	6.77	3	7.10	3	6.44	3	B3	4	113974	V	
3185	GY	MON	06 50 42.753	-04 30 48.57	-0.0001	+0.000	9.0	6					NB	6	133825	V	
3186	IM	MON	06 20 31.535	-03 15 01.97	-0.0001	+0.006	6.58	4					B5	4	133189	V	
3187	KS	MON	06 17 16.568	-05 15 46.52	-0.0013	-0.025	9.0	6					MA	6	133110	V	
3188	MR	MON	06 44 35.955	+01 35 05.08	-0.0010	-0.014	8.6	6					MA	6	114409	V	
3189	PZ	MON	06 45 45.932	+01 16 32.69	-0.0019	-0.006	8.9	6					K0	6	114440	V	
3190	RV	MON	06 55 40.722	+06 14 08.25	-0.0018	+0.026	7.6	6					NB	7	114704	V	
3191	SU	MON	07 39 55.297	-10 45 38.91	-0.0003	-0.007	8.7	6					S3-6	7	153273	V	
3192	SV	MON	06 18 44.958	+06 29 40.68	-0.0012	-0.013	8.8	6	9.55	7			G5	6	115757	V	
3193	SX	MON	06 49 18.112	+04 49 31.93	-0.0009	-0.022	8.5	6					MB	6	114535	V	
3194	TU	MON	07 50 49.059	-02 54 40.73	-0.0016	-0.007	8.8	6					B8	6	135216	V	
3195	UX	MON	07 56 50.192	-07 22 03.86	-0.0017	+0.001	8.0	6					A3	6	135333	V	
3196	1 V 474	MON	05 56 38.300	-09 23 06.27	+0.0005	+0.010	6.11	2	6.40	2	6.50	2	F2II		132714	V	
3197	V 505	MON	06 43 13.368	+02 33 09.96	+0.0002	-0.019	7.5	6					B5	6	114378	V	
3198	V 519	MON	06 48 55.117	+00 01 40.45	-0.0004	-0.031	8.7	6					M2	6	114519	V	
3199	V 523	MON	06 55 43.603	-08 57 32.47	-0.0006	+0.022	7.5	6					MB	6	133965	V	
3200	V 526	MON	06 59 21.118	-01 03 29.95	-0.0005	-0.013	8.8	6					G0	6	134074	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
3201	V 536 MON	07 11 25.006	-02 49 17.45		-0.0009	+0.004	9.0	6					A0	6	134383	V	
3202	V 569 MON	07 03 27.976	-10 34 59.24		-0.0004	-0.032	6.49	2	6.44	2	5.56	2	B0.5IVN	7	152363	DV	
3203	V 571 MON	= 21 MON															
3204	V 592 MON	06 48 17.803	-07 58 53.32		-0.0008	-0.002	6.31	2	6.31	2	6.33	2	A2P	7	133761	V	
3205	26 ALP MON	07 38 51.466	-09 25 59.53		-0.0052	-0.024	3.930	1	4.950	1	5.830	1	K0III		134986		
3206	11 BET- 1 MON	06 26 23.454	-06 59 58.06		-0.0015	-0.002	4.623	1	4.533	1	3.733	1	B3VE		133316	D	101
3207	11 BET- 2 MON	06 26 23.939	-07 00 03.34		-0.0015	+0.003	4.413	1	4.256	1	3.523	1	B3NE+B3E		133317	D	102
3208	5 GAM MON	06 12 24.938	-06 15 28.70		-0.0006	-0.019	3.960	1	5.270	1	6.690	1	K3III		133012	D	
3209	22 DEL MON	07 09 18.620	-00 24 30.42		-0.0003	+0.005	4.15	2	4.15	2	4.19	2	A0IV		134330	D	
3210	8 EPS- 1 MON	06 21 07.050	+04 37 11.68		-0.0013	+0.010	4.462	2	4.662	2	4.802	2	A5IV		113810	D	103
3211	8 EPS- 2 MON	06 21 07.436	+04 37 22.65		-0.0016	-0.011	6.520	2	6.720	2	6.860	2	DF4		113811	D	104
3212	29 ZET MON	08 06 04.849	-02 50 12.87		-0.0014	-0.008	4.32	2	5.29	2	6.01	2	G2IB		135551	D	
3213	R MUS	12 39 00.393	-69 08 00.31		+0.0008	-0.009	5.90		6.700				G5		251996	V	
3214	S MUS	12 10 04.183	-69 52 25.51		-0.0028	-0.016	5.90		6.700				CF6		251791	V	
3215	SO MUS	12 31 57.152	-67 28 53.19		-0.0038	-0.010	6.21	4					MB	4	251957	V	
3216	DZ MUS	11 57 21.147	-69 36 22.96		+0.0001	-0.016	8.8	6					A0	7	251674	V	
3217	EF MUS	12 51 02.557	-69 45 55.03		+0.0006	+0.007	7.7	6							252081	V	
3218	RS MUS	12 20 21.446	-75 13 34.37		+0.0016	-0.007	9.2	6							256935	V	
3219	TU MUS	11 28 56.052	-65 27 59.47		-0.0066	-0.021	8.7	5							251436	V	
3220	ALP MUS	12 34 10.693	-68 51 36.83		-0.0074	-0.016	2.700	1	2.500	1	1.660	1	B3+B3	7	251974	DV?	
3221	BET MUS	12 43 11.492	-67 50 05.16		-0.0056	-0.024	3.050	1	2.870	1	2.130	1	B3IV		252019	D	
3222	GAM MUS	12 29 27.195	-71 51 25.17		-0.0102	-0.009	3.860	1	3.710	1	3.100	1	B2.5V		256955		
3223	DEL MUS	12 58 47.972	-71 16 47.18		+0.0560	-0.032	3.620	1	4.800	1	6.060	1	B5V		257000		
3224	EPS MUS	12 14 51.002	-67 40 57.38		-0.0417	-0.031	4.16		5.74	7	7.35	7	K2III		251830	V	
3225	ZET- 1 MUS	12 19 23.197	-68 01 45.86		-0.0017	-0.064	5.74	2	6.78	2	7.60	2	M5III	7	251868		
3226	ZET- 2 MUS	12 19 19.446	-67 14 40.99		-0.0038	-0.013	5.15	2	5.34	2	5.51	2	GG9		251866		
3227	ETA MUS	13 11 49.986	-67 37 48.78		-0.0058	-0.017	4.800	1	4.720	1	4.380	1	A5M		251866	D	
3228	THE MUS	13 04 52.075	-65 02 21.47		-0.0014	-0.015	5.51	2	5.49	2	4.62	2	B8V		252224	D	
3229	IOT- 1 MUS	13 21 07.877	-74 37 32.17		-0.0263	-0.133	5.05	2	6.16	2	7.17	2	B0I?+WC6		252162	D	
3230	IOT- 2 MUS	13 23 17.181	-74 25 55.78		-0.0098	-0.023	6.63	2	6.57	2	6.33	2	GK0		257041		
3231	LAM MUS	11 43 14.023	-66 27 05.06		-0.0161	+0.033	6.03	2	6.57	2	6.33	2	B9		257047		
3232	MU MUS	11 45 49.270	-66 32 11.82		-0.0161	+0.033	3.640	1	3.800	1	3.950	1	A7II-III		251575	D	
3233	R NOR	15 32 20.943	-49 20 32.94		+0.0032	-0.021	4.71		6.24	7			GK3		251597	V	
3234	S NOR	16 14 42.480	-57 46 42.59		+0.0023	-0.014	6.4	4					M4E	4	225948	DV	
3235	T NOR	15 40 11.707	-54 49 44.79		+0.0007	-0.002	6.10		7.000				GG0		243586	V	
3236	V NOR	16 06 19.661	-49 06 21.46		-0.0010	-0.023	6.3	4					M4E	4	242884	V	
3237	Z NOR	16 01 22.456	-46 09 27.40		-0.0001	-0.001	10.0	7					MB	6	226545	V	
3238	HH NOR	15 39 46.615	-51 41 18.74		-0.0004	+0.006	9.3	7					B5	6	226485	V	
3239	IN NOR	15 42 18.889	-51 44 36.80		+0.0002	-0.023	9.5	6					F0	6	242878	DV	
3240	IR NOR	15 45 24.951	-43 56 30.50		+0.0010	-0.019	9.7	6							242941	V	
3241	TV NOR	16 00 22.362	-51 24 27.35		-0.0003	-0.013	9.5	6					A3	6	226234	V	
3242	GAM- 1 NOR	16 13 15.670	-49 56 42.44		-0.0008	-0.012	8.7	6					A0	6	243289	V	
3243	GAM- 2 NOR	16 16 05.341	-50 02 05.68		-0.0003	-0.005	4.99	2	5.79	2	6.30	2	F8IAB		226619		
3244	DEL NOR	16 02 56.883	-45 02 21.78		-0.0162	-0.055	4.02	2	5.10	2	6.27	2	G8III		243643	D	
3245	EPS- 1 NOR	16 23 29.386	-47 26 12.79		+0.0002	+0.027	4.72	2	4.95	2	5.10	2	A M		226500		
3246	EPS- 2 NOR	16 23 30.537	-47 26 34.34		-0.0027	-0.021	7.218	2	7.148	2	6.618	2	A		226772	D	105
3247	ZET NOR	16 09 22.975	-55 24 47.66		-0.0004	-0.030	4.560	2	4.490	2	3.960	2	B3?V		226773	D	106
3248	ETA NOR	15 59 31.678	-49 05 31.58		-0.0118	-0.043	5.81	2	6.15	2			F2IV		243449		
3249	THE NOR	16 11 36.960	-47 14 47.68		+0.0031	+0.004	4.65	2	5.57	2	6.20	2	GG5		226466		
3250	IOT- 1ABNOR	15 59 27.038	-57 38 11.18		-0.0031	-0.052	5.36						B8		226600		
					-0.0148	-0.085	4.63	2	4.87	2	4.96	2	A5V		243279	D	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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3251	IOT- 1C NOR	15 59 25.747	-57 38 13.89		-0.0171	-0.066	8.5	4							243278	D	
3252	IOT- 2 NOR	16 05 11.054	-57 48 06.60		-0.0015	-0.055	5.79						B9V		243368		
3253	KAP NOR	16 09 31.393	-54 30 11.60		+0.0002	-0.027	5.09						G4III		243454	D	
3254	LAM NOR	16 15 48.406	-42 33 12.05		+0.0014	-0.013	5.45	2	5.55	2			A3VN		226650	D	
3255	MU NOR	16 30 31.335	-43 56 28.69		-0.0009	-0.005	4.87		4.970				B0IA		226900		
3256	A OCT	07 12 46.518	-88 41 00.92		-0.0122	+0.015	7.75	4					A0	4	258465		
3257	B OCT	22 20 21.891	-89 04 36.36		+0.0571	-0.040	6.54	4					A5	4	258931		
3258	X OCT	10 28 01.229	-84 05 32.54		-0.0157	+0.029	8.6	4					M3E	4	258577	V	
3259	BO OCT	= EPS OCT													257730	V	
3260	RX OCT	19 40 35.157	-78 50 56.99		+0.0320	-0.007	9.1	6							258392	V	
3261	UZ OCT	04 52 47.738	-84 53 50.59		-0.0153	-0.034	8.6	6							257879		
3262	ALP OCT	20 58 44.041	-77 13 01.18		+0.0027	-0.364	5.15	2	5.64	2	5.77	2	F4III		258941		
3263	BET OCT	22 41 04.412	-81 38 41.05		-0.0284	+0.006	4.15	2	4.35	2	4.46	2	DA9		258989		
3264	GAM- 1 OCT	23 49 14.400	-82 17 48.57		-0.0198	-0.013	5.11	2	6.03	2	6.63	2	G7III		258996		
3265	GAM- 2 OCT	23 54 51.661	-82 26 52.62		-0.0148	-0.020	5.73	2	6.78	2	7.70	2	GG9		258215		
3266	GAM- 3 OCT	00 07 48.524	-82 30 07.23		-0.0101	-0.014	5.28	2	6.33	2	7.25	2	GG8		258698		
3267	DEL OCT	14 18 39.094	-83 26 29.51		-0.0581	-0.008	4.32	2	5.63	2	7.08	2	GK1		258928	V	
3268	EPS OCT	22 14 32.560	-80 41 24.35		+0.0199	-0.039	5.10	2	6.57	2	7.66	2	M6III		258515		
3269	ZET OCT	09 04 20.783	-85 27 58.13		-0.0952	+0.033	5.42	2	5.73	2	5.80	2	F0III		258600		
3270	ETA OCT	10 59 42.379	-84 19 29.69		-0.0443	-0.007	6.19	2	6.30	2	6.42	2	A0		258207		
3271	THE OCT	23 59 03.312	-77 20 30.14		-0.0157	-0.170	4.780	1	6.030	1	7.430	1	K2III		258654	D	
3272	IOT OCT	12 49 30.427	-84 51 08.65		+0.0508	+0.025	5.46	2	6.48	2	7.27	2	K0III		258674		
3273	KAP OCT	13 32 25.492	-85 31 53.97		-0.0706	-0.020	5.58	2	5.76	2	5.92	2	A2		258914	D	
3274	LAM- 1 OCT	21 43 27.797	-82 57 05.52		+0.0348	-0.033	5.29	2	6.04	2	6.51	2	GG5		257838		
3275	MU - 1 OCT	20 35 56.354	-76 21 30.60		+0.0575	-0.011	6.00	2	6.44	2	6.55	2	F5IVN		257836	D	
3276	MU - 2 OCT	20 35 50.155	-75 31 34.68		+0.0397	-0.150	6.03	2	6.65	2	6.84	2	G1V		257948	D	
3277	NU OCT	21 35 59.865	-77 36 50.23		+0.0176	-0.239	3.755	1	4.750	1	5.645	1	K0III		258946		
3278	XI OCT	22 45 48.680	-80 23 19.00		+0.0095	-0.017	5.35	2	5.20	2	4.70	2	B5	4	258218		
3279	OMI OCT	00 12 16.820	-88 38 27.64		+0.0437	+0.000	7.22	4					A0		258713		
3280	PI - 1 OCT	14 52 48.776	-83 01 44.69		+0.0059	+0.055	5.65	2	6.60	2	7.34	2	K0		258714		
3281	PI - 2 OCT	14 55 51.286	-82 50 28.90		-0.0053	-0.012	5.65	2	6.95	2	8.10	2	K0		258731		
3282	RHO OCT	15 31 26.275	-84 18 14.99		+0.0953	+0.091	5.57	2	5.68	2	5.76	2	A2		258857		
3283	SIG OCT	20 15 03.002	-89 08 18.48		+0.1170	-0.001	5.47	2	5.73	2	5.86	2	F0		258970		
3284	TAU OCT	23 21 22.170	-87 45 27.44		+0.0325	+0.011	5.49	2	6.76	2	8.19	2	K2III		258932		
3285	UPS OCT	22 22 39.605	-86 13 26.79		-0.0349	+0.062	5.77	2	6.79	2	7.67	2	K0III		257584		
3286	PHI OCT	18 16 52.945	-75 04 08.55		+0.0014	+0.032	5.47	2	5.49	2	5.53	2	A0		258799		
3287	CHI OCT	18 25 46.665	-87 39 09.92		-0.0779	-0.131	5.28	2	6.56	2	8.16	2	K3II		258020		
3288	PSI OCT	22 13 02.861	-77 45 42.41		-0.0160	+0.013	5.51	2	5.82	2	5.94	2	A6IV		258717		
3289	OME OCT	14 59 54.082	-84 35 43.93		-0.0015	+0.007	5.91	2	5.85	2	5.72	2	A0		141269		
3290	12 OPH	16 33 43.676	-02 13 10.02		+0.0303	-0.315	5.74	2	6.55	2	7.00	2	K0V		121790		
3291	14 OPH	16 39 10.361	+01 16 30.79		-0.0071	+0.051	5.77						DF2		184607		
3292	15 OPH	16 42 07.949	-23 05 33.07		-0.0019	-0.021	6.89	4					F5	4	121834		
3293	16 OPH	16 42 57.086	+01 06 37.85		-0.0000	+0.011	5.96		5.950				B9		184683		
3294	18 OPH	16 46 41.565	-24 33 16.27		-0.0002	-0.016	7.02	4					A2	4	121859	D	
3295	19 OPH	16 44 38.330	+02 09 11.52		-0.0011	-0.014	5.98						A2		160118		
3296	20 OPH	16 47 03.867	-10 41 46.42		+0.0063	-0.096	4.66	2	5.13	2	5.20	2	F5IV-V		121911	D	
3297	21 OPH	16 48 52.612	+01 17 59.36		-0.0017	-0.006	5.51	2	5.56	2	5.59	2	A0		184786		
3298	22 OPH	16 51 49.250	-23 25 55.27		-0.0011	-0.031	7.04	4					K0	4	141431		
3299	23 OPH	16 51 55.158	-06 04 25.31		-0.0025	-0.020	5.35						K2III		184822	D	
3300	24 OPH	16 53 46.853	-23 04 21.21		-0.0003	-0.001	5.60						A0				

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G N
3301	26	OpH	16 57 05.497	-24 54 52.64	+0.0045	-0.059	5.78						DF4		184897		
3302	28	OpH	17 00 55.924	-25 37 42.75	-0.0009	-0.026	6.69	4					B9	4	184982		
3303	29	OpH	16 58 55.512	-18 48 49.48	-0.0028	-0.020	6.37						GK0		160231		
3304	30	OpH	16 58 25.223	-04 08 57.19	-0.0031	-0.076	4.83	2	6.31	2	8.11	2	K4III		141483	V?	
3305	31	OpH	17 01 38.712	-25 34 32.41	-0.0015	-0.078	6.76	4					A5	4	184995		
3306	37	OpH	17 10 06.278	+10 38 39.50	+0.0006	-0.026	5.33						GM2		102646	D	
3307	41	OpH	17 14 02.523	-00 23 25.24	-0.0017	-0.067	4.72	2	5.87	2	6.98	2	K2III		141586	D	
3308	43	OpH	17 20 12.591	-28 05 46.83	+0.0004	-0.032	5.43						GK5		185350		
3309	47	OpH	17 23 58.550	-05 02 38.50	-0.0064	-0.045	4.54	2	4.95	2	4.87	2	F3V		141665	V?	
3310	51	OpH	17 28 21.743	-23 55 33.04	+0.0003	-0.028	4.81	2	4.81	2	4.75	2	A1		185470	V?	
3311	52	OpH	17 32 17.858	-22 00 42.88	-0.0003	-0.011	6.57						A0		185526		
3312	54	OpH	17 32 03.755	+13 11 37.62	+0.0002	-0.031	6.66	4					G5	4	102925	D	
3313	58	OpH	17 40 25.892	-21 39 38.57	-0.0068	-0.046	4.87	2	5.34	2	5.31	2	F5V		185660		
3314	61	A OpH	17 42 03.267	+02 35 57.94	+0.0001	+0.014	6.25						A0		122690	D	
3315	61	B OpH	17 42 04.654	+02 35 56.65	+0.0001	+0.010	6.64						A0		122691	D	
3316	63	OpH	17 51 49.256	-24 52 44.45	-0.0003	-0.002	6.20	2	6.24	2	5.35	2	O8		185928		107
3317	66	OpH	17 57 47.101	+04 22 11.61	-0.0000	-0.013	4.60	2	4.58	2	3.77	2	B2VE		123005	V	
3318	67	OpH	17 58 08.348	+02 55 56.61	-0.0001	-0.010	3.970	1	3.990	1	3.340	1	B5IB		123013	D	
3319	68	OpH	17 59 12.900	+01 18 17.26	+0.0008	-0.012	4.42	2	4.46	2	4.48	2	A1V		123035	DV?	
3320	71	OpH	18 04 54.790	+08 43 33.79	+0.0006	+0.032	4.63	2	5.60	2	6.33	2	G8III-IV		123140		
3321	72	OpH	18 04 58.656	+09 33 18.94	-0.0042	+0.081	3.730	1	3.850	1	3.940	1	A4V		123142	D	
3322	73	OpH	18 07 04.593	+03 58 59.91	+0.0024	-0.007	5.73	2	6.10	2	6.13	2	F2		123187	D	
3323	74	OpH	18 18 22.199	+03 21 11.45	-0.0001	+0.010	4.84	2	5.75	2	6.36	2	G8III		123377	D	
3324	36	A- 1 OpH	17 12 16.173	-26 31 47.28	-0.0369	-1.132	5.053	2	5.913	2	6.403	2	K0V		185198	D	108
3325	36	A- 2 OpH	17 12 16.220	-26 31 52.28	-0.0345	-1.141	5.093	2	5.953	2	6.443	2	K1V		185199	D	109
3326	44	-B OpH	17 23 18.832	-24 07 52.05	+0.0000	-0.116	4.16	2	4.44	2	4.56	2	DA9		185401	V?	
3327	45	-D OpH	17 24 09.518	-29 49 25.26	+0.0016	-0.140	4.27	2	4.67	2	4.75	2	F5IV		185412		
3328		-E OpH	17 16 15.803	+10 55 02.22	+0.0003	-0.092	5.03	2	6.58	2	8.48	2	K4II-III		102725		
3329		-F- 1 OpH	17 32 13.616	+09 36 27.89	-0.0004	-0.004	8.2	4							122525	D	
3330	53	-F- 2 OpH	17 32 14.147	+09 37 08.37	+0.0002	-0.008	5.49	2	5.51	2	5.52	2	A2		122526	D	
3331	70	-P OpH	18 02 55.608	+02 30 34.62	+0.0172	-1.094	4.030	1	4.890	1	5.400	1	K0V		123107	D	
3332		R OpH	17 04 53.425	-16 01 39.54	-0.0014	-0.012	6.0	4					M5E	4	160299	V	
3333		S OpH	16 31 22.388	-17 03 26.57	-0.0007	-0.003	8.3	4							159981	V	
3334	38	U OpH	17 13 59.357	+01 15 53.07	-0.0002	-0.012	5.7		5.780				B5V		122226	DV	
3335		V OpH	16 23 56.577	-12 18 54.74	+0.0006	-0.012	6.9	4					N3E	4	159916	V	
3336		X OpH	18 35 57.512	+08 47 19.71	-0.0011	+0.007	6.4						GM6E		123744	DV	
3337		Y OpH	17 49 57.778	-06 07 59.02	+0.0003	-0.010	6.10		7.400				G0P		141926	V	
3338		BF OpH	17 02 59.294	-26 30 49.30	+0.0000	+0.008	7.6	6	8.3	7			F5V	4	185020	V	
3339		RV OpH	17 32 09.617	+07 16 46.54	-0.0016	+0.001	9.0	6					A0	6	122523	V	
3340		RY OpH	18 14 07.414	+03 40 26.98	-0.0003	+0.005	8.7	6					M3E-M6E	7	123316	V	
3341		SW OpH	16 13 46.972	-06 51 19.65	+0.0014	-0.020	9.0	6					A0	6	141070	V	
3342		SY OpH	16 52 07.213	-21 53 24.55	-0.0000	-0.015	8.7	6					M4	6	184796	V	
3343		WZ OpH	17 04 14.056	+07 50 53.73	+0.0012	-0.027	8.7	6					G0	6	122083	V	
3344		XX OpH	17 41 15.407	-06 14 52.19	+0.0004	+0.004	8.8	6					BP	6	141834	V	
3345	V 438	OpH	17 12 18.801	+11 07 31.89	-0.0009	+0.011	9.1	6					M8	6	102678	V	
3346	V 451	OpH	18 26 52.938	+10 51 28.52	+0.0001	-0.009	8.0	6					A0	6	103766	V	
3347	V 456	OpH	18 40 42.193	+08 47 21.79	-0.0006	+0.026	9.1	6					A2	6	123842	V	
3348	V 502	OpH	16 38 47.782	+00 36 08.53	-0.0012	+0.020	8.8	6					G0	6	121784	V	
3349	V 533	OpH	17 50 26.648	-02 34 07.45	-0.0042	-0.050	7.5	6					MC	6	141939	V	
3350	V 551	OpH	17 37 44.233	-27 22 13.89	-0.0029	-0.009	8.3	6					M2	6	185610	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
3351	V 552 OPH	17 39 35.150	-28 24 29.34		+0.0013	+0.022	8.8	6					M0	6	185643	V	
3352	V 564 OPH	17 49 36.853	+07 57 09.91		+0.0001	-0.018	9.3	6	10.85	7			K2	6	122851	V	
3353	V 566 OPH	17 54 24.329	+04 59 30.80		+0.0046	+0.080	7.46	5					F4V	7	122946	V	
3354	V 679 OPH	18 39 31.165	+06 46 10.62		+0.0019	+0.015	9.1	6					NP	6	123817	V	
3355	V 839 OPH	18 06 58.351	+09 08 28.30		-0.0015	+0.016	8.8	6					G0	6	123183	V	
3356	V 914 OPH	17 57 01.404	+11 47 10.68		+0.0008	-0.000	8.5	6							103274	V	
3357	V 986 OPH	18 02 05.798	+01 54 54.01		-0.0003	-0.003	6.13	2	6.13	2	5.23	2	B0.5III		123090	V	
3358	V 988 OPH	18 24 23.520	+03 52 56.95		-0.0003	-0.022	8.2	6					MB	6	123489	V	
3359	V1010 OPH	16 46 36.157	-15 34 54.81		+0.0007	+0.028	6.11						A3		160116	V	
3360	V1054 OPH	16 52 48.459	-08 14 42.22		-0.0537	-0.875	9.1	6	10.7	7	11.76	7	K5P	6	141439	DV	
3361	V2048 OPH	= 66 OPH															
3362	V2052 OPH	17 53 45.409	+00 40 34.99		-0.0005	+0.003	5.67		5.76	7			B2IV-V	7	122935	V	
3363	55 ALP OPH	17 32 36.696	+12 35 41.92		+0.0080	-0.227	2.070	1	2.220	1	2.320	1	A5II		102932	V?	
3364	60 BET OPH	17 41 00.041	+04 35 11.84		-0.0028	+0.159	2.770	1	3.940	1	5.180	1	K2III		122671		
3365	02 GAM OPH	17 45 23.019	+02 43 28.28		-0.0016	-0.074	3.750	1	3.790	1	3.830	1	A0V		122754		
3366	1 DEL OPH	16 11 43.325	-03 34 01.41		-0.0032	-0.145	2.750	1	4.340	1	6.300	1	M1III		141052		
3367	2 EPS OPH	16 15 40.348	-04 34 19.57		+0.0054	+0.039	3.230	1	4.210	1	4.960	1	G9III		141086		
3368	13 ZET OPH	16 34 24.137	-10 28 02.81		+0.0008	+0.023	2.560	1	2.580	1	1.730	1	09.5V		160006		
3369	35 ETA OPH	17 07 30.461	-15 39 52.89	L	+0.0026	+0.095	2.420	1	2.470	1	2.560	1	A2.5V		160332	D	
3370	42 THE OPH	17 18 56.157	-24 57 05.20		-0.0002	-0.021	3.260	1	3.030	1	2.180	1	B2IV		185320	V	
3371	25 IOT OPH	16 51 38.391	+10 14 46.44		-0.0036	-0.038	4.38	2	4.30	2	3.98	2	BAV		102458	V?	
3372	27 KAP OPH	16 55 17.959	+09 27 04.81		-0.0199	-0.010	3.200	1	4.360	1	5.520	1	K2III		121962		
3373	10 LAM OPH	16 28 23.341	+02 05 31.06	C	-0.0020	-0.075	3.830	1	3.840	1	3.860	1	A1V		121658	D	
3374	57 MU OPH	17 35 07.500	-08 05 24.07		-0.0008	-0.025	4.63	2	4.74	2	4.56	2	B8V		141772		
3375	64 NU OPH	17 56 16.332	-09 46 09.10		-0.0006	-0.119	3.340	1	4.330	1	5.200	1	G9III		142004		
3376	40 XI OPH	17 18 00.251	-21 03 39.72		+0.0165	-0.209	4.38	2	4.79	2	4.73	2	F2V		185296	D	
3377	39 OMI- 1 OPH	17 14 57.384	-24 13 53.02		-0.0053	-0.010	6.90						F6IV-V		185237	D	
3378	39 OMI- 2 OPH	17 14 57.520	-24 14 03.53		-0.0039	-0.010	5.39						K1III		185238	D	
3379	RHO- 1 OPH	16 22 24.076	-23 20 48.42	L	-0.0007	-0.040	6.56						B3V		184377	D	
3380	5 RHO- 2 OPH	16 22 34.893	-23 19 57.72		-0.0005	-0.020	5.788	2	6.008	2	5.458	2	B2V		184381	D	110
3381	5 RHO- 3 OPH	16 22 34.963	-23 20 01.41		+0.0002	-0.021	5.088	2	5.308	2	4.758	2	B3IV		184382	D	111
3382	RHO- 4 OPH	16 22 35.008	-23 17 30.47		+0.0005	-0.032	7.13	4					A	4	184383	D	
3383	49 SIG OPH	17 24 01.895	+04 10 56.12		+0.0001	+0.005	4.33	2	5.83	2	7.41	2	K3II		122387	V?	
3384	69 TAU OPH	18 00 21.474	-08 10 55.08		+0.0017	-0.039	4.79	2	5.17	2	5.22	2	F2+F2		142050	D	112
3385	3 UPS OPH	16 25 05.723	-08 15 40.86		-0.0052	+0.007	4.63	2	4.79	2	4.85	2	A M		141187	D	
3386	8 PHI OPH	16 28 16.379	-16 30 19.16		-0.0037	-0.038	4.27	2	5.19	2	5.90	2	G8III		159663		
3387	7 CHI OPH	16 24 07.286	-18 20 40.22		-0.0008	-0.029	4.43	2	4.71	2	3.95	2	B2VE		159918	V	
3388	4 PSI OPH	16 21 10.365	-19 55 19.12		-0.0020	-0.050	4.50	2	5.53	2	6.37	2	K0III		159892		
3389	9 OME OPH	16 29 10.062	-21 21 39.92		+0.0009	+0.034	4.45	2	4.56	2	4.69	2	A P		184450		
3390	5 ORI	04 50 46.173	+02 25 37.57		+0.0020	-0.017	5.33	2	6.97	2	8.90	2	GM1		112179	V?	
3391	11 ORI	05 01 42.545	+15 20 10.18		+0.0011	-0.035	4.68	2	4.63	2	4.53	2	A0SI		94290		
3392	13 ORI	05 04 53.779	+09 24 44.95		-0.0002	-0.377	6.17	2	6.79	2	6.88	2	DG2		112436		
3393	15 ORI	05 06 50.084	+15 32 06.42		+0.0001	-0.013	4.82	2	5.14	2	5.32	2	F2IV		94359		
3394	18 ORI	05 13 17.327	+11 17 12.31		-0.0003	-0.009	5.46		5.440				A0III		94426		
3395	21 ORI	05 16 34.609	+02 32 44.20		-0.0014	-0.046	5.34	2	5.75	2	5.83	2	F5II		112624	V?	
3396	25 ORI	05 22 08.980	+01 48 07.84		-0.0003	-0.000	4.96	2	4.76	2	3.83	2	B1V?PE		112734	V?	
3397	35 ORI	05 31 03.632	+14 16 20.54		-0.0006	-0.004	5.54						B3		94652		
3398	45 ORI	05 33 11.418	-04 53 13.59		+0.0002	+0.011	5.27	2	5.50	2	5.67	2	GF0		132336	DV?	
3399	52 ORI	05 45 18.945	+06 26 17.32		+0.0003	-0.019	5.27	2	5.50	2	5.67	2	A5N		113150	D	
3400	55 ORI	05 48 57.053	-07 31 48.00		-0.0002	-0.002	5.35	2	5.15	2	4.32	2	B2V		132591		

TABLE 3 CONTINUED
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3401	56 ORI	05 49 50.570	+01 50 40.22		-0.0006	-0.007	4.78	2	6.16	2	7.62	2	K2II		113220	DV?	
3402	57 ORI	05 51 58.983	+19 44 30.10		-0.0001	-0.009	5.86						B2V		94986		
3403	59 ORI	05 55 48.522	+01 50 01.15		+0.0001	-0.008	5.89	2	6.11	2	6.27	2	A5		113315	D	
3404	60 ORI	05 56 15.234	+00 32 59.73		-0.0010	+0.001	5.22	2	5.23	2	5.24	2	A1		113321	D	
3405	63 ORI	06 02 18.143	+05 25 27.79		-0.0002	+0.003	5.67	2	6.71	2	7.53	2	GG7		113429		
3406	64 ORI	06 00 29.672	+19 41 35.74		-0.0000	-0.018	5.15		5.040				B8III		95166	V?	
3407	66 ORI	06 02 19.755	+04 09 47.18		-0.0003	-0.006	5.63	2	6.67	2	7.41	2	GG4		113430		
3408	68 ORI	06 09 03.575	+19 48 12.67		+0.0002	-0.011	5.67		5.580				B9.5V		95359		
3409	71 ORI	06 11 54.292	+19 10 30.51		-0.0068	-0.190	5.20	2	5.64	2	5.64	2	F6V		95432	D	
3410	73 ORI	06 12 56.385	+12 34 06.64		-0.0001	-0.000	5.34		5.310				B9II-III		95457		
3411	77 ORI	06 24 39.651	+00 19 50.92		-0.0002	-0.009	5.20	2	6.38	2	7.51	2	K1II		113905		113
3412	78 ORI	06 24 42.142	-00 14 40.02		+0.0002	-0.009	5.55	2	6.93	2	8.54	2	GK5		133269		114
3413	32 ORI	05 28 06.426	+05 54 41.72		-0.0006	-0.033	4.20	2	4.07	2	3.51	2	B5IV		112849	D	
3414	51 -B ORI	05 39 53.374	+01 27 07.18		-0.0038	-0.014	4.90	2	6.07	2	7.13	2	K0III		113056		
3415	42 -C ORI	05 32 55.055	-04 52 10.72		-0.0001	-0.000	4.59	2	4.40	2	3.46	2	B2III		132320	DV?	
3416	49 -D ORI	05 36 27.836	-07 14 21.42		-0.0012	-0.054	4.81	2	4.94	2	5.05	2	A4IV		132411		
3417	29 -E ORI	05 21 32.197	-07 51 09.07		-0.0014	-0.044	4.12	2	5.08	2	5.78	2	G8III		132067		
3418	69 -F-1 ORI	06 09 10.227	+16 08 36.85		+0.0006	-0.015	4.92	2	4.80	2	4.21	2	B5V		95365		
3419	72 -F-2 ORI	06 12 32.077	+16 09 37.16		+0.0002	-0.014	5.19		5.060				B7V		95447		
3420	6 -G ORI	04 52 00.305	+11 20 45.39		-0.0010	+0.021	5.12						A3		94197		
3421	16 -H ORI	05 06 34.444	+09 46 01.19		+0.0042	-0.005	5.43	2	5.67	2	5.82	2	A M		112467		
3422	14 -I ORI	05 05 09.412	+08 26 05.62		+0.0015	-0.063	5.34	2	5.66	2	5.77	2	A M		112440	D	
3423	74 -K ORI	06 13 38.093	+12 17 16.13		+0.0055	+0.185	5.04	2	5.46	2	5.44	2	F5IV-V		95476	D	
3424	75 -L ORI	06 14 21.142	+09 57 44.32		+0.0000	-0.063	5.39	2	5.49	2	5.58	2	A2		113675	D	
3425	23 -M ORI	05 20 12.177	+03 29 52.42		-0.0005	-0.001	5.00	2	4.85	2	3.98	2	B1V		112697	D	
3426	33 -N-1 ORI	05 28 36.990	+03 15 20.92		-0.0002	+0.004	5.46	2	5.29	2	4.47	2	B1.5V		112861	D	
3427	38 -N-2 ORI	05 31 38.755	+03 44 03.46		-0.0023	-0.018	5.36	2	5.41	2	5.48	2	A2		112904		
3428	22 -O ORI	05 19 12.471	-00 25 49.03		-0.0003	-0.001	4.74	2	4.58	2	3.79	2	B2IV		132028		
3429	27 -P ORI	05 21 56.259	-00 56 16.14		-0.0007	+0.133	5.09	2	6.05	2	6.73	2	K0III		132070		
3430	S ORI	05 26 32.676	-04 43 51.68		+0.0029	+0.005	7.5	4					M7E	4	132163	V	
3431	U ORI	05 52 51.005	+20 10 06.19		+0.0001	-0.015	5.4						GM8E		77730	V	
3432	W ORI	05 02 48.658	+01 06 37.21		+0.0005	-0.006	6.17	2	9.61	2			C5-3		112406	V	
3433	BL ORI	06 22 36.929	+14 45 04.15		-0.0010	-0.004	6.23	2	8.57	2	12.07	2	C6-2		95659	V	
3434	BM ORI	05 41 47.759	+06 48 12.32		+0.0008	-0.027	9.8	6					A7	6	112952	V	
3435	BN ORI	05 33 05.549	+22 50 02.01		-0.0014	-0.004	8.0	6					M5IIIE	7	77756	V	
3436	BQ ORI	05 54 05.549	+01 07 48.08		+0.0000	-0.022	4.71	2	6.28	2	8.13	2	K4III		132176	DV	
3437	31 CI ORI	05 27 11.524	+04 10 02.12		-0.0001	-0.047	6.21	2	7.48	2	8.86	2	K2III		112837	V	
3438	CK ORI	05 27 41.223	+10 13 01.46		-0.0009	+0.010	8.6	6					A	6	95108	V	
3439	DN ORI	05 57 42.557	+08 36 59.85		+0.0002	-0.014	9.2	6	9.74	7			F8	6	131854	V	
3440	ER ORI	05 08 50.595	-06 11 28.89		-0.0010	-0.018	9.1	6					M8	6	132074	V	
3441	EX ORI	05 22 02.194	-05 44 23.55		-0.0005	+0.012	9.0	6					F8	6	132209	V	
3442	EY ORI	05 28 51.305	+03 34 58.37		-0.0903	-0.011	8.8	6					A3	6	112796	V	
3443	FO ORI	05 25 31.718	+21 26 33.72		+0.0001	+0.001	9.1	6					A0	6	78120	V	
3444	FT ORI	06 10 58.229	+14 48 37.78		-0.0006	-0.009	8.7	6					MO	6	94778	V	
3445	FX ORI	05 39 03.763	+09 37 27.80		-0.0001	-0.008	8.6	6					B	6	113558	V	115
3446	GG ORI	06 08 28.523	-04 45 48.56		+0.0003	-0.000	8.0	5					B3V	7	132302	V	
3447	KX ORI	05 32 36.547	-05 29 47.09		+0.0007	+0.003	9.0	6					B	6	132308	V	
3448	LP ORI	05 32 42.470	-05 17 54.89		+0.0003	-0.005	9.0	6					B1V	7	132328	V	
3449	NU ORI	05 33 03.747	+14 42 12.05		-0.0015	-0.013	8.3	6	9.1	7			F0	6	95589	V	
3450	RS ORI	06 19 21.995															

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
3451	VV ORI	05 30 59.051	-01 11 22.96		-0.0006	+0.001	5.34	2	5.16	2	4.25	2	B1V		132255	V	
3452	V 352 ORI	05 59 15.874	-02 21 10.72		+0.0005	+0.001	8.0	6					MC	6	132754	V	
3453	V 359 ORI	05 33 05.248	-04 52 07.25		+0.0006	-0.007	7.23	5					B3VP	7	132331	V	
3454	V 361 ORI	05 33 03.963	-05 27 07.79		-0.0009	+0.030	9.0	6					B8	6	132329	V	
3455	V 372 ORI	05 32 19.696	-05 36 10.68		-0.0010	-0.041	8.3	6					B9	6	132288	V	
3456	V 451 ORI	05 28 40.129	+10 59 12.26		-0.0011	+0.004	8.9	6					B9	6	94612	V	
3457	V 530 ORI	06 02 03.617	-03 11 32.07		+0.0030	-0.084	9.0	6					G0	6	132800	V	
3458	V 586 ORI	05 34 32.684	-06 11 01.55		+0.0005	+0.012	9.1	6					A0	6	132366	V	
3459	V 643 ORI	06 04 30.514	-02 54 33.56		-0.0023	-0.046	9.0	6					G2	6	132847	V	
3460	V 901 ORI	05 38 24.343	-01 31 54.91		-0.0009	+0.002	8.4	6					B5	6	132446	V	
3461	V 916 ORI	06 05 27.757	+13 58 48.00		-0.0005	-0.002	8.7	6	8.69	7			B2V	7	95271	V	
3462	V 917 ORI	06 05 37.059	+13 56 22.11		-0.0006	+0.007	8.7	6	8.64	7			B3	6	95281	V	
3463	V 963 ORI	06 16 18.096	+20 36 05.65		-0.0005	-0.001	8.5	6	9.11	7	8.82	7	B2IBP	7	78223	V	
3464	58 ALP ORI	05 52 27.809	+07 23 57.92		+0.0017	+0.010	.420	1	2.260	1	4.380	1	M2IAB		113271	OV	
3465	19 BET ORI	05 12 07.990	-08 15 28.65		-0.0002	-0.002	.130	1	0.100	1	0.550	1	B8IA		131907	DV?	
3466	24 GAM ORI	05 22 26.828	+06 18 21.71		-0.0008	-0.014	1.640	1	1.420	1	0.540	1	B2III		112740	V?	
3467	34 DEL- 1 ORI	05 29 27.017	-00 20 04.41		-0.0002	-0.001	2.240	1	2.020	1	0.960	1	09.5II		132220	DV	
3468	34 DEL- 2 ORI	05 29 27.041	-00 19 11.87		+0.0003	-0.003	6.87						B2V		132221	D	
3469	46 EPS ORI	05 33 40.476	-01 13 56.30		-0.0002	-0.002	1.690	1	1.510	1	0.480	1	B0IA		132346		
3470	50 ZET ORI	05 38 14.043	-01 58 02.98		-0.0001	-0.002	1.770	1	1.560	1	0.500	1	09.5IB+B3		132444	DV?	116
3471	28 ETA ORI	05 21 57.676	-02 26 29.58		-0.0002	+0.001	3.350	1	3.180	1	2.250	1	B0.5V		132071	DV	
3472	41 THE- 1 ORI	05 32 48.995	-05 25 16.22		-0.0001	+0.002	4.70		5.38		3.84	2	06P+B1?+B3		132314	DV?	117
3473	43 THE- 2 ORI	05 32 55.449	-05 26 50.72		-0.0003	+0.005	5.08	2	4.97	2	4.03	2	09.5VP		132321	DV?	
3474	44 IOT ORI	05 32 59.126	-05 56 28.26		-0.0003	+0.001	2.770	1	2.530	1	1.450	1	09III		132323	DV?	
3475	53 KAP ORI	05 45 23.013	-09 41 09.45		-0.0002	-0.005	2.050	1	1.870	1	0.850	1	B0.5IE		132542	V?	
3476	39 LAM ORI	05 32 22.913	+09 54 08.35		-0.0001	-0.005	3.390	1	3.200	1	2.170	1	08+0E5		112921	D	118
3477	61 MU ORI	05 59 37.869	+09 38 56.64		+0.0009	-0.028	4.13	2	4.29	2	4.40	2	A M		113389	DV?	
3478	67 NU ORI	06 04 42.949	+14 46 34.32		+0.0004	-0.022	4.42	2	4.27	2	3.60	2	B3V		95259		
3479	70 XI ORI	06 09 05.757	+14 13 18.49		+0.0002	-0.021	4.48	2	4.31	2	3.65	2	B3V		95362		
3480	4 OMI- 1 ORI	04 49 42.058	+14 10 08.31		-0.0001	-0.057	4.83		6.62	7			M3S		94176	V	
3481	9 OMI- 2 ORI	04 53 33.423	+13 26 13.64		-0.0051	-0.046	4.06	2	5.21	2	6.31	2	K2III		94218	D	
3482	7 PI- 1 ORI	04 52 08.440	+10 04 22.53		+0.0030	-0.130	4.67	2	4.75	2	4.84	2	A0P		94201		
3483	2 PI- 2 ORI	04 47 53.047	+08 48 57.64		+0.0001	-0.030	4.35	2	4.36	2	4.39	2	A0V		112124		
3484	1 PI- 3 ORI	04 47 07.390	+06 52 32.26		+0.0311	+0.017	3.190	1	3.650	1	3.640	1	F6V		112106	V?	
3485	3 PI- 4 ORI	04 48 32.421	+05 31 16.34		-0.0003	+0.001	3.680	1	3.520	1	2.710	1	B2III		112142	V?	
3486	8 PI- 5 ORI	04 51 38.661	+02 21 37.24		-0.0003	+0.000	3.730	1	3.540	1	2.720	1	B2III		112197	V	
3487	10 PI- 6 ORI	04 55 57.260	+01 38 20.04		-0.0004	-0.002	4.49	2	5.89	2	7.45	2	K2II		112281	V?	
3488	17 RHO ORI	05 10 40.482	+02 48 11.68		-0.0002	-0.005	4.45	2	5.64	2	6.78	2	K3III		112528	DV?	
3489	48 SIG- 1 ORI	05 36 14.048	-02 37 38.49		-0.0002	+0.001	3.800	1	3.560	1	2.550	1	09.5V		132406	D	
3490	48 SIG- 2 ORI	05 36 14.881	-02 37 36.93		-0.0009	+0.001	6.62		6.420							D	119
3491	SIG- 3 ORI	05 36 16.398	-02 37 17.58		-0.0015	+0.012	6.53		6.320				B3		132408	D	
3492	20 TAU ORI	05 15 10.601	-06 53 49.05		-0.0014	-0.008	3.590	1	3.470	1	3.010	1	B5III		131952	D	
3493	36 UPS ORI	05 29 30.607	-07 20 12.87		-0.0005	-0.006	4.62	2	4.36	2	3.29	2	B0V		132222		
3494	37 PHI- 1 ORI	05 32 04.419	+09 27 26.67		+0.0000	-0.003	4.41	2	4.26	2	3.29	2	B0IV		112914		
3495	40 PHI- 2 ORI	05 34 09.415	+09 15 54.81		+0.0061	-0.304	4.09	2	5.04	2	5.70	2	G8IIIP		112958		
3496	54 CHI- 1 ORI	05 51 25.196	+20 16 07.36		-0.0133	-0.086	4.41	2	5.00	2	5.08	2	G0V		77705		
3497	62 CHI- 2 ORI	06 00 56.956	+20 08 28.96		+0.0002	-0.007	4.63	2	4.91	2	4.24	2	B2IA		77911	V?	
3498	30 PSI ORI	05 24 12.930	+03 03 14.31		-0.0001	-0.003	4.59	2	4.39	2	3.45	2	B2IV		112775	DV	
3499	47 OME ORI	05 36 32.611	+04 05 40.59		-0.0004	+0.001	4.59	2	4.48	2	3.73	2	B3IIIE		113001		
3500	R PAV	18 08 04.931	-63 37 43.55		+0.0003	+0.021	7.1	4					M3E	4	254172	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3501	S	PAV	19 51 00.957	-59 19 37.62	+0.0004	-0.054	6.8	4					M7E	4	246334	V	
3502	T	PAV	19 45 08.004	-71 53 52.31	-0.0010	-0.008	7.3	4					M3E	4	257742	V	
3503	V	PAV	17 38 59.828	-57 42 05.22	+0.0000	-0.049	8.3	4					N8	4	244964	DV	
3504	X	PAV	20 07 34.184	-60 05 09.20	+0.0059	-0.021	9.2	7					MC	6	254747	V	
3505	Y	PAV	21 19 47.087	-69 56 56.26	+0.0027	-0.017	5.7						NC	6	254990	V	
3506	Z	PAV	19 30 54.529	-62 52 07.13	+0.0032	-0.034	9.1	7					MB	6	254601	V	
3507	KZ	PAV	20 53 50.503	-70 36 57.93	+0.0022	+0.020	7.6	6					F2	6	257869	V	
3508	MW	PAV	20 41 17.978	-72 07 55.36	+0.0095	-0.023	9.41	7	9.75	7	9.78	7	A5	6	257849	V	
3509	NU	PAV	19 57 32.635	-59 30 51.86	+0.0021	-0.029	5.12		6.67	7	7.67	7	GM6	6	245389	V	
3510	RT	PAV	18 30 55.665	-69 55 30.92	-0.0027	+0.012	8.7	6							254296	V	
3511	SX	PAV	21 24 18.753	-69 43 23.38	+0.0166	-0.050	5.3						GM7		255003	V	
3512	ALP	PAV	20 21 42.289	-56 53 50.02	+0.0019	-0.085	1.940	1	1.740	1	1.030	1	B3IV		246574	V?	
3513	BET	PAV	20 40 28.662	-66 23 05.42	-0.0061	+0.017	3.415	1	3.580	1	3.695	1	A5IV		254862		
3514	GAM	PAV	21 22 20.184	-65 35 38.76	+0.0154	+0.797	4.220	1	4.700	1	4.570	1	F8V		254999	V?	
3515	DEL	PAV	20 03 50.451	-66 18 43.41	+0.1988	-1.141	3.560	1	4.320	1	4.780	1	G8V		254733	V?	
3516	EPS	PAV	19 54 50.758	-73 02 43.83	+0.0188	-0.131	3.960	1	3.920	1	3.860	1	A0V		257757	V?	
3517	ZET	PAV	18 37 12.297	-71 28 28.15	+0.0016	-0.158	4.015	1	5.150	1	6.165	1	K2III		257620	D	
3518	ETA	PAV	17 40 49.242	-64 42 09.86	-0.0005	-0.052	3.620	1	4.800	1	5.960	1	K1III		254020		
3519	THE	PAV	18 43 43.343	-65 07 56.63	-0.0058	-0.081	5.73	2	5.97	2	6.08	2	A4		254374		
3520	IOT	PAV	18 05 47.292	-62 00 54.61	-0.0110	+0.225	5.49	2	6.07	2			G0		254157		
3521	KAP	PAV	18 51 48.301	-67 17 57.08	+0.0000	+0.013	3.90		4.500				F5P		254413	V	
3522	LAM	PAV	18 47 35.414	-62 14 51.43	+0.0000	+0.018	4.200	1	4.060	1	3.170	1	B1VE		254393	DV	
3523	MU - 1	PAV	19 55 32.272	-67 05 01.32	-0.0023	-0.196	5.76	2	6.80	2	7.60	2	GK0		254702		
3524	MU - 2	PAV	19 57 01.732	-67 04 54.09	+0.0066	-0.072	5.31	2	6.53	2	7.82	2	GK0		254707		
3525	NU	PAV	18 26 42.408	-62 18 46.06	+0.0006	-0.043	4.64	2	4.53	2	4.14	2	B8III		254273	V?	
3526	XI	PAV	18 18 37.191	-61 31 09.61	+0.0005	+0.004	4.36	2	5.84	2	7.39	2	K2III		254226	D	
3527	OMI	PAV	21 08 41.303	-70 19 55.94	+0.0090	-0.027	5.02	2	6.60	2	8.15	2	M2III		257896		
3528	PI	PAV	18 03 45.934	-63 40 23.74	+0.0032	-0.185	4.35	2	4.57	2	4.75	2	A5V		254147	V?	
3529	RHO	PAV	20 33 24.831	-61 42 13.15	+0.0084	-0.065	5.03						B?F5		254835	V?	
3530	SIG	PAV	20 44 35.935	-68 57 40.51	-0.0122	-0.052	5.41	2	6.53	2	7.62	2	GK0		254871		
3531	TAU	PAV	19 11 07.597	-69 16 42.31	+0.0018	-0.023	6.27	2	6.44	2	6.58	2	A M?		254508		
3532	UPS	PAV	20 37 23.405	-66 56 20.65	+0.0030	-0.024	5.15	2	5.09	2	4.81	2	B8V		254854	V?	
3533	PHI- 1	PAV	20 31 27.383	-60 45 07.33	+0.0099	-0.180	4.76	2	5.04	2	5.09	2	F0V		254823		
3534	PHI- 2	PAV	20 35 55.079	-60 43 05.08	+0.0421	-0.569	5.12	2	5.65	2			F8V		254846		
3535	OME	PAV	18 54 10.179	-60 16 07.74	-0.0163	+0.035	5.14	2	6.51	2			K1III-IV		254423		
3536	1	PEG	21 19 46.347	+19 35 22.77	+0.0074	+0.066	4.09	2	5.20	2	6.25	2	K1III		107073	D	
3537	2	PEG	21 27 40.860	+23 25 07.70	+0.0017	+0.007	4.57	2	6.19	2	8.12	2	M1III		89752	D	
3538	3	PEG	21 35 14.137	+06 23 33.95	+0.0039	-0.003	6.17	2	6.20	2	6.22	2	A0		126940	D	
3539	4	PEG	21 36 01.639	+05 32 42.32	+0.0075	+0.028	5.67	2	5.92	2	6.00	2	DA6		126956	D	
3540	5	PEG	21 35 24.935	+19 05 33.85	+0.0072	+0.015	5.36						F0IV		107288		
3541	7	PEG	21 39 45.354	+05 27 05.29	+0.0009	-0.003	5.29	2	6.93	2	8.87	2	GM2		127002		
3542	9	PEG	21 42 08.534	+17 07 11.12	+0.0008	-0.010	4.31	2	5.49	2	6.45	2	G5IB		107365		
3543	11	PEG	21 44 41.821	+02 27 14.60	+0.0007	+0.003	5.64	2	5.54	2	5.62	2	A0		127060		
3544	12	PEG	21 43 46.184	+22 43 03.07	+0.0005	+0.001	5.29		6.720				K0IB		89972		
3545	13	PEG	21 47 45.825	+17 03 08.67	+0.0053	-0.058	5.24						F2III		107425	D	
3546	14	PEG	21 47 37.796	+29 56 26.28	+0.0013	-0.024	4.98		4.930				A0V		90040		
3547	15	PEG	21 50 15.806	+28 33 31.24	-0.0046	-0.062	5.51						DF0		90065		
3548	16	PEG	21 50 47.084	+25 41 20.87	+0.0006	+0.002	5.07		4.890				B3V		90075		
3549	17	PEG	21 54 29.982	+11 50 17.71	-0.0020	-0.008	5.56		5.620				A2V		107528		
3550	18	PEG	21 57 37.992	+06 28 36.77	+0.0006	-0.001	6.00	2	5.88	2	5.31	2	B3III		127219		

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3551	19	PEG	21 58 40.273	+08 00 58.05	-0.0007	+0.003	5.68						GK5		127239		
3552	20	PEG	21 58 39.098	+12 52 46.68	+0.0039	-0.051	5.62						DF2		107587	η	
3553	21	PEG	22 00 51.748	+11 08 39.09	+0.0011	-0.007	5.70		5.630				B9IV		107625		
3554	23	PEG	22 03 18.535	+28 43 13.44	+0.0018	-0.007	5.59		5.540				A0V		90217		
3555	25	PEG	22 05 29.228	+21 27 31.64	-0.0034	-0.065	5.78	2	5.68	2	5.27	2	B7V		90252		
3556	28	PEG	22 08 08.187	+20 43 53.56	-0.0013	-0.008	6.37		6.490				A4III		90287		
3557	30	PEG	22 17 56.585	+05 32 15.23	+0.0014	+0.004	5.37	2	5.35	2	4.88	2	B5III		127453	DV?	
3558	31	PEG	22 19 03.314	+11 57 09.63	+0.0006	+0.012	4.99	2	4.89	2	4.08	2	B2VE		107854		
3559	32	PEG	22 19 00.607	+28 04 41.10	+0.0013	+0.007	4.81	2	4.81	2	4.62	2	B8V		90440	D	
3560	33	PEG	22 21 15.061	+20 35 42.07	+0.0240	-0.011	6.01						DF4		90462	D	
3561	34	PEG	22 24 04.667	+04 08 16.86	+0.0200	+0.053	5.75	2	6.27	2	6.31	2	DF5		127529	D	
3562	35	PEG	22 25 19.619	+04 26 39.41	+0.0054	-0.306	4.80	2	5.86	2	6.74	2	K0III-IV		127540		
3563	36	PEG	22 26 38.185	+08 52 23.15	+0.0038	-0.018	5.58	2	7.13	2	9.03	2	GK5		127544		
3564	37	PEG	22 27 26.247	+04 10 37.65	-0.0017	-0.139	5.48	2	5.86	2	5.95	2	F5IV		127551	D	
3565	38	PEG	22 27 44.365	+32 18 58.18	+0.0027	-0.010	5.47		5.370				B9V		72406		
3566	39	PEG	22 30 10.326	+19 58 18.35	+0.0113	-0.034	6.20						F0		107986		
3567	40	PEG	22 36 27.263	+19 15 46.52	-0.0030	-0.095	5.72						G67		108064	D	
3568	41	PEG	22 37 21.508	+19 25 12.95	-0.0003	-0.006	6.16		6.160				A2V		108078		
3569	45	PEG	22 43 02.059	+19 06 08.89	-0.0019	+0.061	6.27						G66		108154		
3570	51	PEG	22 55 00.357	+20 30 01.00	+0.0145	+0.063	5.50	2	6.17	2	6.37	2	G5V		90896	V?	
3571	52	PEG	22 56 41.593	+11 27 40.19	+0.0022	-0.036	5.72						F0V		108307	D	
3572	55	PEG	23 04 29.023	+09 08 20.50	+0.0006	-0.010	4.51	2	6.09	2	7.97	2	M2III		127976		
3573	56	PEG	23 04 40.342	+25 11 53.04	-0.0003	-0.026	4.77	2	6.12	2	7.27	2	K0IBP		91019	V?	
3574	58	PEG	23 07 30.283	+09 33 02.54	-0.0009	-0.006	5.39	2	5.31	2	5.02	2	B8		128007		
3575	59	PEG	23 09 12.612	+08 26 53.78	-0.0005	+0.000	5.16	2	5.29	2	5.37	2	A2V		128022		
3576	60	PEG	23 09 23.305	+26 34 36.76	-0.0142	-0.114	6.22						K0IV		91080		
3577	61	PEG	23 13 19.482	+27 58 30.19	+0.0012	+0.001	6.33						GK3		91130		
3578	63	PEG	23 18 22.336	+30 08 30.63	+0.0062	-0.064	5.65						GM0		73187		
3579	64	PEG	23 19 28.131	+31 32 17.67	+0.0003	-0.005	5.34		5.230				B3V		73205	D	
3580	65	PEG	23 20 10.898	+20 33 15.75	+0.0014	-0.012	6.19		6.140				B9.5IV		91220		
3581	66	PEG	23 20 33.117	+12 02 22.34	+0.0018	-0.012	5.12						K3III		108580	D	
3582	67	PEG	23 22 23.656	+32 06 35.86	+0.0011	+0.004	5.41		5.290				B9III		73241		
3583	69	PEG	23 25 11.053	+24 53 32.38	+0.0019	-0.035	5.82		5.760				A0III		91278		
3584	71	PEG	23 30 57.620	+22 13 21.53	+0.0008	-0.014	5.34						GM5		91340	V?	
3585	72	PEG	23 31 28.032	+31 02 57.19	+0.0040	-0.011	5.04						K4III		73341	D	
3586	73	PEG	23 32 09.553	+33 13 14.01	-0.0002	+0.027	5.56						GK0		73345		
3587	74	PEG	23 35 07.586	+16 32 55.04	+0.0093	+0.004	6.08		6.080				A2V		108729		
3588	75	PEG	23 35 25.097	+18 07 24.71	+0.0034	+0.024	5.49		5.460				A1V		108732	D	
3589	76	PEG	23 40 11.351	+16 03 29.32	+0.0063	+0.018	6.51	4					K0	4	108782		
3590	77	PEG	23 40 49.519	+10 03 13.86	+0.0004	+0.017	5.06	2	6.74	2	8.77	2	GM2		108789	V?	
3591	78	PEG	23 41 28.241	+29 05 04.11	+0.0054	-0.032	4.93	2	5.89	2	6.52	2	K0III		91457	D	
3592	79	PEG	23 47 07.247	+28 33 50.55	+0.0050	+0.030	5.89						A3		91522		
3593	82	PEG	23 50 03.929	+10 40 09.09	-0.0017	+0.009	5.29						A3		108879	VA	
3594	83	PEG	23 50 07.490	+21 27 52.98	-0.0012	-0.021	6.78	4					K0	4	91552		
3595	85	PEG	23 59 33.187	+26 49 02.92	+0.0628	-0.985	5.75	2	6.42	2	6.47	2	G3V		91669	D	
3596	86	PEG	00 03 07.764	+13 07 05.39	+0.0031	+0.005	5.48						G65		91701		
3597	87	PEG	00 06 27.408	+17 56 02.94	+0.0096	-0.020	5.48						G69		91734		
3598	70	-Q R S PEG	23 26 37.409	+12 29 04.42	+0.0044	+0.034	4.56	2	5.50	2	6.24	2	G8III		108638		
3599			23 04 08.222	+10 16 21.49	-0.0003	-0.030	6.9	4					M7E	4	108403	V	
3600			23 18 00.950	+08 38 42.05	+0.0052	-0.028	7.3	4					M6E	4	128130	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3601	T	PEG	22 06 27.303	+12 17 41.85	-0.0021	+0.009	8.4	4					M6F	4	107690	V	
3602	U	PEG	23 55 25.172	+15 40 30.53	-0.0025	-0.057	9.0	6							108913	V	
3603	AG	PEG	21 48 36.185	+12 23 27.35	+0.0002	+0.002	7.6	5					WN6+M1-M3II	7	107436	V	
3604	AT	PEG	22 10 54.212	+08 10 38.55	-0.0015	-0.015	8.5	6					A0	6	127380	V	
3605	AU	PEG	21 21 40.385	+18 03 49.37	+0.0005	+0.016	9.2	6							107100	V	
3606	AW	PEG	21 50 02.665	+23 46 38.19	-0.0003	-0.003	7.48	4					A2	4	90061	V	
3607	AZ	PEG	22 04 20.724	+28 58 18.50	+0.0002	-0.003	8.6	6					M0	6	90231	V	
3608	BD	PEG	22 40 36.963	+27 53 42.10	+0.0043	+0.006	8.9	6					M8	6	90732	V	
3609	DF	PEG	21 52 18.683	+14 19 15.69	+0.0002	-0.010	8.6	6							107496	V	
3610	DI	PEG	23 29 43.302	+14 41 34.46	-0.0009	-0.016	8.7	6							108667	V	
3611	DK	PEG	23 39 00.796	+09 56 19.19	+0.0020	-0.008	8.8	6					A5	6	128331	V	
3612	DS	PEG	= V 460 CYG														
3613	EE	PEG	21 37 34.216	+08 57 25.86	+0.0048	+0.012	6.78	4					A0	4	126971	V	
3614	EO	PEG	23 14 16.422	+10 19 34.46	+0.0024	+0.000	8.4	6					M8	6	108506	V	
3615	EZ	PEG	23 14 26.000	+25 26 46.25	-0.0052	+0.013	9.1	6					G5	6	91141	V	
3616	GX	PEG	22 29 14.976	+29 17 09.39	-0.0034	-0.024	6.28						A5	6	90568	V	
3617	57 GZ	PEG	23 06 59.919	+08 24 21.18	+0.0002	+0.008	5.11	2	6.58	2	7.58	2	M4IIIIAS	7	128001	DV	
3618	80 HH	PEG	23 48 47.965	+09 02 10.26	-0.0012	-0.057	5.79	2	7.45	2	9.18	2	GM3		128421		
3619	ST	PEG	22 46 41.444	+27 05 35.27	+0.0008	+0.001	9.9	7					M3	6	90805	V	
3620	SV	PEG	22 03 30.979	+35 06 17.43	-0.0006	-0.002	8.5	6					MC	6	72019	V	
3621	TW	PEG	22 01 43.211	+28 06 20.37	+0.0011	-0.004	7.0	7					M6-M7	7	90201	V	
3622	TX	PEG	22 15 51.441	+13 21 27.53	+0.0004	-0.023	8.6	6					MB	6	107813	V	
3623	UV	PEG	22 01 57.834	+35 31 00.31	-0.0009	-0.008	8.6	6					A0	6	71992	V	
3624	UY	PEG	22 42 23.740	+30 01 46.18	+0.0027	-0.008	10.6	7					M1	6	72680	V	
3625	54 ALP	PEG	23 02 16.062	+14 56 09.11	+0.0043	-0.038	2.480	1	2.440	1	2.380	1	B9.5III		108378	V?	
3626	53 BET	PEG	23 01 20.770	+27 48 40.45	+0.0142	+0.142	2.420	1	4.090	1	6.050	1	M2II-III		90981	DV	
3627	88 GAM	PEG	00 10 39.447	+14 54 20.57	+0.0002	-0.007	2.840	1	2.610	1	1.750	1	B2IV		91781	V	
3628	DEL	PEG	= 21 ALP AND														
3629	8 EPS	PEG	21 41 43.756	+09 38 41.69	+0.0020	+0.005	2.390	1	3.910	1	5.610	1	K2IB		127029	DV?	
3630	42 ZET	PEG	22 38 57.996	+10 34 11.39	+0.0054	-0.008	3.400	1	3.310	1	3.070	1	B8V		108103	D	
3631	44 ETA	PEG	22 40 39.264	+29 57 33.42	+0.0010	-0.021	2.950	1	3.810	1	4.380	1	G8II?+F?		90734	DV?	
3632	26 THE	PEG	22 07 40.600	+05 57 04.13	+0.0184	+0.032	3.550	1	3.620	1	3.720	1	A2V		127340	V?	
3633	24 IOT	PEG	22 04 40.836	+25 06 00.71	+0.0220	+0.028	3.760	1	4.200	1	4.170	1	F5V		90238		
3634	10 KAP	PEG	21 42 22.712	+25 24 51.97	+0.0025	+0.015	4.12	2	4.56	2	4.59	2	F5IV		89949	D	
3635	47 LAM	PEG	22 44 07.173	+23 18 07.41	+0.0042	-0.006	3.940	1	5.020	1	5.930	1	G8II-III		90775		
3636	48 MU	PEG	22 47 35.191	+24 20 13.72	+0.0108	-0.036	3.480	1	4.420	1	5.100	1	G8III		90816		
3637	22 NU	PEG	22 03 09.442	+04 48 48.17	+0.0073	+0.105	4.84	2	6.28	2	8.08	2	K4III		127285		
3638	46 XI	PEG	22 44 11.582	+11 54 57.24	+0.0159	-0.493	4.19	2	4.69	2	4.67	2	F7V		108165	D	
3639	43 OMI	PEG	22 39 24.327	+29 02 46.11	-0.0004	-0.022	4.79	2	4.78	2	4.77	2	A1V		90717		
3640	27 PI	PEG	22 07 00.491	+32 55 38.77	-0.0048	-0.062	5.55						G66		72064	D	
3641	29 PI	PEG	22 07 45.788	+32 55 55.97	-0.0012	-0.017	4.29	2	4.75	2	4.93	2	F5II-III		72077		
3642	50 RHO	PEG	22 52 42.550	+08 32 55.88	+0.0052	+0.019	4.90	2	4.90	2	4.90	2	A1V		127839		
3643	49 SIG	PEG	22 49 51.922	+09 34 08.98	+0.0353	+0.049	5.16	2	5.64	2	5.63	2	F7IV		127810		
3644	62 TAU	PEG	23 18 09.505	+23 27 59.22	+0.0024	-0.002	4.60	2	4.77	2	4.87	2	A5IV		91186	V	
3645	68 UPS	PEG	23 22 52.799	+23 07 43.20	+0.0140	+0.043	4.41	2	5.02	2	5.16	2	F8IV		91253		
3646	81 PHI	PEG	23 49 56.428	+18 50 33.39	-0.0003	-0.030	5.03						GM2		108878		
3647	89 CHI	PEG	00 12 00.662	+19 55 43.61	+0.0067	+0.005	4.80	2	6.37	2	8.30	2	M2III		91792		
3648	84 PSI	PEG	23 55 12.376	+24 51 48.72	-0.0024	-0.027	4.66	2	6.25	2	7.92	2	M3III		91611		
3649	1	PER	01 48 41.326	+54 54 03.02	+0.0024	-0.003	5.47						B2V		22690		
3650	2	PER	01 48 57.679	+50 32 47.91	+0.0015	-0.022	5.62		5.560				B9		22696		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3651	3	PER	01 55 22.097	+48 57 39.10	+0.0010	+0.042	5.67						GG7		17665		
3652	5	PER	02 07 59.024	+57 24 38.73	-0.0015	+0.010	6.35	2	6.68	2	6.25	2	B5IA		23011	D	12n
3653	6	PER	02 10 15.926	+50 50 05.11	+0.0366	-0.165	5.32	2	6.25	2	6.87	2	K0III		23047		
3654	8	PER	02 14 26.346	+57 40 09.33	+0.0076	+0.013	5.75		6.920				GK3		23143		
3655	10	PER	02 21 43.098	+56 23 04.15	-0.0002	+0.012	6.25	2	6.55	2	5.94	2	B2IA		23304		
3656	11	PER	02 39 27.182	+54 53 38.58	+0.0044	-0.020	5.65		5.520				B8		23555		
3657	12	PER	02 39 04.982	+39 59 01.47	-0.0014	-0.184	4.92	2	5.51	2	5.65	2	F9V		55793	V?	
3658	14	PER	02 40 49.110	+44 05 09.02	+0.0002	-0.004	5.46						G0IB		38289		
3659	16	PER	02 47 25.066	+38 06 50.92	+0.0160	-0.104	4.23	2	4.57	2	4.65	2	F2III		55928		
3660	17	PER	02 48 25.535	+34 51 19.19	+0.0012	-0.062	4.53	2	6.09	2	8.01	2	K5III		55946		
3661	20	PER	02 50 32.708	+38 08 06.74	+0.0040	-0.074	5.25						F4V		55975	DV?	
3662	24	PER	02 55 57.291	+34 59 02.76	-0.0039	+0.010	4.94	2	6.19	2	7.47	2	K2III		56052		
3663	29	PER	03 15 03.350	+50 02 26.47	+0.0031	-0.023	5.15	2	5.09	2	4.53	2	B3V		23944		
3664	30	PER	03 14 24.905	+43 50 34.19	+0.0030	-0.026	5.47	2	5.41	2	5.07	2	B8V		38704		
3665	31	PER	03 15 33.377	+49 54 50.23	+0.0024	-0.022	5.03	2	4.97	2	4.44	2	B5V		38714		
3666	34	PER	03 25 46.839	+49 20 15.04	+0.0027	-0.024	4.67	2	4.58	2	4.01	2	B5V		38872	D	
3667	36	PER	03 28 57.804	+45 53 21.30	-0.0050	-0.066	5.32	2	5.73	2	5.71	2	F4III		38924	V?	
3668	49	PER	04 04 56.623	+37 35 53.44	-0.0093	-0.190	6.09	2	7.04	2	7.79	2	K1III		57000		
3669	50	PER	04 05 16.224	+37 54 38.68	+0.0139	-0.198	5.47						DF7		57006	D	
3670	54	PER	04 17 09.476	+34 26 52.30	-0.0019	-0.003	4.98						G8III		7171		
3671	55	PER	04 21 14.140	+34 00 59.92	+0.0016	-0.043	5.54		5.470				B7V		57212		
3672	56	PER	04 21 22.591	+33 50 47.28	+0.0035	-0.071	5.73						DF5		57216	DV?	
3673	59	PER	04 39 21.107	+43 16 19.02	+0.0036	-0.049	5.21						A0		19699		
3674	43	A	03 52 52.725	+50 33 08.98	+0.0097	-0.127	5.28	2	5.69	2	5.69	2	F5IV		24314	D	
3675		-B-1	04 14 28.443	+50 10 28.93	+0.0050	-0.052	4.61	2	4.65	2	4.68	2	A2		24531	V	
3676		-B-2	04 16 23.644	+50 48 05.63	+0.0006	-0.002	5.50						B2IV		24544	V?	
3677	53	-D	04 17 55.662	+46 22 53.01	+0.0019	-0.036	4.86	2	4.84	2	4.30	2	B6III		39483	V?	
3678	58	-E	04 33 13.125	+41 09 50.57	-0.0013	-0.016	4.27	2	5.49	2	6.28	2	K0+A3		39639		
3679	52	-F	04 11 28.714	+40 21 32.43	+0.0012	-0.023	4.71	2	5.72	2	6.36	2	G0+A5		39409		
3680	4	-G	01 58 57.336	+54 14 49.01	+0.0040	+0.003	5.04	2	4.96	2	4.64	2	B8V		22859		
3681		-H	02 15 42.013	+56 56 22.44	+0.0005	+0.008	6.66	4					B0	4	23182	D	
3682	9	-I	02 18 51.207	+55 37 05.42	-0.0001	+0.004	5.17	2	5.54	2	5.43	2	A2IA		23256	D	
3683		-K	03 01 45.968	+56 30 40.39	-0.0019	+0.077	4.93						K0II-III		23791		
3684	32	-L	03 18 05.008	+43 09 01.96	-0.0054	+0.001	4.95	2	4.99	2	5.06	2	A3V		38750	V?	
3685	57	-M	04 29 53.385	+42 57 33.02	+0.0003	+0.005	6.02						DF1		39604		
3686	42	-N	03 46 22.612	+32 56 22.93	-0.0023	+0.001	5.10		5.180				A2V		56727		
3687	40	-O	03 39 11.977	+33 48 22.37	-0.0004	-0.007	4.96		4.940				B0.5V		56646	D	
3688		R	03 26 51.747	+35 30 01.93	+0.0004	-0.008	7.9	4					M2E	4	56496	V	
3689		S	02 19 15.115	+58 21 33.90	+0.0009	+0.016	7.2	4					M5	4	23261	V	
3690		T	02 15 45.586	+58 43 53.52	-0.0041	-0.008	8.34	4					K5	4	23183	V	
3691		U	01 56 14.804	+54 34 48.93	+0.0036	-0.006	7.0	4					M6E	4	22817	V	
3692		W	02 46 55.321	+56 46 37.54	-0.0042	-0.005	8.2	4					M7	4	23647	V	
3693		X	03 52 15.134	+30 54 00.82	-0.0010	-0.005	6.10	2	6.39	2	5.58	2	O PE		56815	DV	
3694	AD		02 16 56.982	+56 45 51.51	+0.0010	-0.005	7.2	6					M2-M3IAB	7	23207	V	
3695	AG		04 03 43.466	+33 18 46.54	+0.0010	-0.004	6.61	4					B3	4	56973	DV	
3696	AW		04 44 25.408	+36 38 04.58	+0.0014	-0.007	7.95	5	8.84	7			F6-G1	7	57431	V	
3697	AY		03 06 51.220	+50 44 33.16	+0.0007	-0.011	8.7	6					B9	6	23850	V	
3698	DM		02 22 25.959	+55 52 40.13	+0.0004	+0.004	8.0	5					B6V	7	23321	V	
3699	FZ		02 17 27.062	+56 55 47.62	+0.0013	+0.013	7.8	6					K5	6	23217	V	
3700	IQ		03 56 06.744	+48 00 36.80	+0.0007	+0.009	7.9	6					B9	7	39231	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT.NO.	STAR PROP.	G N
3701	IW	PER	03 30	16.704	+39 43	57.35		+0.0005	-0.037	5.80		5.910				A M		56538	V	
3702	IX	PER	03 31	53.832	+31 51	04.17		+0.0041	-0.043	6.6	6					F0	6	56549	V	
3703	IZ	PER	01 28	56.492	+53 45	43.43		+0.0012	+0.005	7.8	6					B8	6	22364	V	
3704	KK	PER	02 06	48.449	+56 19	24.78		+0.0005	+0.023	7.6	6					K5	6	22994	V	
3705	KP	PER	03 29	12.536	+44 41	14.08		+0.0011	-0.010	6.40	2	6.43	2	5.70	2	B2IV		38927	V	
3706	KS	PER	04 45	20.088	+43 11	18.97		+0.0059	-0.003	8.0	6					G0P	6	39773	V	
3707	21 LT	PER	02 54	14.716	+31 44	03.08		-0.0001	-0.029	5.10		5.090				A SI		56031	V	
3708	LX	PER	03 09	53.306	+47 55	23.23		+0.0065	-0.063	8.6	6					G5	6	38651	V	
3709	48 MX	PER	04 05	01.311	+47 34	51.77		+0.0021	-0.028	4.030	1	4.000	1	3.450	1	B3V		39336	V	
3710	PR	PER	02 18	07.954	+57 38	05.56		-0.0002	+0.007	8.6	5					K5IBE-M2IB	7	23234	V	
3711	RS	PER	02 18	51.327	+56 52	55.18		+0.0012	-0.011	8.5	6					M4	6	23257	V	
3712	RY	PER	02 42	19.630	+47 56	01.03		+0.0000	-0.033	8.5	6					B9	6	38304	V	
3713	ST	PER	02 56	53.837	+38 59	33.02		-0.0000	-0.013	9.0	6					A	6	56066	V	
3714	SU	PER	02 18	35.127	+56 22	35.40		+0.0002	-0.012	7.7	6					M3.5IAB	7	23250	V	
3715	SV	PER	04 46	16.520	+42 12	13.93		+0.0005	+0.011	8.4	6							39783	V	
3716	SW	PER	04 07	24.640	+42 04	50.02		-0.0004	-0.010	8.5	6					MA	6	39354	V	
3717	TT	PER	01 47	14.072	+53 29	43.31		+0.0018	+0.012	8.4	6					M5	6	22663	V	
3718	UZ	PER	03 17	00.532	+31 50	29.15		+0.0006	+0.003	8.9	6							56354	V	
3719	VX	PER	02 04	18.099	+58 12	22.87		-0.0011	+0.001	9.0	6					G0	6	22945	V	
3720	XX	PER	01 59	47.167	+54 59	32.35		+0.0004	+0.005	8.0	6					M2	6	22875	V	
3721	XY	PER	03 46	17.448	+38 49	49.78		+0.0025	-0.016	9.0	6							56726	DV	
3722	YY	PER	04 32	53.355	+44 52	36.08		+0.0002	-0.002	7.9	6							39636	V	
3723	YZ	PER	02 34	46.856	+56 49	49.37		-0.0002	+0.013	7.7	6					M2	6	23484	V	
3724	V 351	PER	02 05	57.746	+56 45	20.14		-0.0018	+0.016	8.3	6	8.44	7			B1III	7	22971	V	
3725	V 354	PER	02 12	17.719	+55 45	51.38		+0.0001	+0.001	7.77	5	7.93	7			B0III	7	23099	V	
3726	V 355	PER	02 12	32.364	+57 30	46.97		-0.0007	+0.002	8.8	6	9.13	7			B3IV	7	23102	V	
3727	V 356	PER	02 13	26.656	+56 53	56.10		-0.0011	-0.004	8.5	6	8.74	7			B1III	7	23116	V	
3728	V 357	PER	02 13	27.250	+56 29	15.68		-0.0048	+0.021	7.7	6	7.91	7			B2IB	7	23117	V	
3729	V 358	PER	02 13	37.852	+56 32	19.17		-0.0015	+0.000	8.2	6	8.20	7			B1IIIE	7	23124	V	
3730	V 362	PER	02 30	30.935	+58 11	11.35		+0.0009	+0.008	8.8	6	9.29	7			B0III	7	23434	V	
3731	V 376	PER	03 45	40.654	+43 48	37.83		+0.0001	+0.024	5.85						F0	6	39128	V	
3732	V 380	PER	03 59	51.752	+37 55	02.38		-0.0019	+0.005	7.87	4	8.01	7			A3P	7	56925	V	
3733	V 383	PER	03 03	26.431	+33 25	58.11		+0.0011	-0.009	7.7	6	7.69	7			B9V	7	56158	V	
3734	V 386	PER	03 54	49.499	+34 40	18.22		+0.0011	-0.016	6.36						A8V	7	56847	V	
3735	33 ALP	PER	03 20	44.441	+49 41	06.03		+0.0026	-0.022	1.790	1	2.270	1	2.660	1	F5IB		38787	V?	
3736	26 BE1	PER	03 04	54.356	+40 45	52.46		+0.0003	+0.002	2.120	1	2.070	1	1.700	1	B8V		38592	DV	
3737	23 GAM	PER	03 01	09.595	+53 18	44.28		+0.0000	-0.002	2.930	1	3.630	1	4.080	1	G8III?+A32		23789	D	
3738	39 DEL	PER	03 39	21.241	+47 37	46.34		+0.0028	-0.032	3.010	1	2.890	1	2.380	1	B5III		39053	V?	
3739	45 EPS	PER	03 54	29.432	+39 52	02.53		+0.0015	-0.024	2.890	1	2.710	1	1.710	1	B0.5V		56840	DV?	
3740	44 ZET	PER	03 50	58.959	+31 44	12.55		+0.0005	-0.009	2.850	1	2.970	1	2.190	1	B1IB		56799	DV?	
3741	15 ETA	PER	02 47	01.935	+55 41	22.43		+0.0023	-0.011	3.790	1	5.480	1	7.380	1	K3IB		23655	D	
3742	13 THE	PER	02 40	46.276	+49 01	06.44		+0.0342	-0.083	4.13	2	4.62	2	4.62	2	F7V		38288	D	
3743	IOT	PER	03 05	26.709	+49 25	26.63		+0.1295	-0.078	4.050	1	4.650	1	4.760	1	G0V		38597		
3744	27 KAP	PER	03 06	06.756	+44 40	10.21		+0.0167	-0.153	3.810	1	4.790	1	5.620	1	K0III		38609	DV?	
3745	47 LAM	PER	04 02	50.904	+50 13	03.34		-0.0015	-0.034	4.29	2	4.31	2	4.27	2	B9V		24412		
3746	51 MU	PER	04 11	13.008	+48 17	03.73		+0.0006	-0.016	4.15	2	5.10	2	5.74	2	G0IB		39404	DV?	
3747	41 NU	PER	03 41	47.261	+42 25	20.61		-0.0012	+0.000	3.770	1	4.190	1	4.510	1	F5II		39078	DV?	
3748	46 XI	PER	03 55	42.825	+35 38	56.50		+0.0003	+0.001	4.040	1	4.060	1	3.130	1	O7		56856	V?	
3749	38 OMI	PER	03 41	10.598	+32 07	53.47	L	+0.0006	-0.009	3.830	1	3.88	1	3.130	1	B1III		56673	DV	
3750	22 PI	PER	02 55	33.275	+39 27	50.67		+0.0025	-0.037	4.70	2	4.76	2	4.88	2	A2V		56047		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
3751	25 RHO	PER	03 01 57.795	+38 38 52.85	+0.0111	-0.102	3.390	1	5.040	1	6.830	1	M4II-III		56138	V	
3752	35 SIG	PER	03 27 02.277	+47 49 27.84	+0.0004	+0.023	4.38	2	5.72	2	7.25	2	K3III		38890	V?	
3753	18 TAU	PER	02 50 41.856	+52 33 33.90	+0.0000	-0.001	3.950	1	4.700	1	5.160	1	G5III+A5		236A5	DV?	
3754	UPS	PER	= 51 AND														
3755	PHI	PER	01 40 30.757	+50 26 15.92	+0.0027	-0.011	4.06	2	4.02	2	3.10	2	B1III-V?PE		22554	V	
3756	7 CHI	PER	02 14 32.316	+57 17 09.57	-0.0023	+0.010	6.00		7.050				GG6		23149	D	
3757	37 PSI	PER	03 32 55.512	+48 01 41.40	+0.0025	-0.023	4.23	2	4.17	2	3.61	2	B5E		38980		
3758	28 OME	PER	03 08 03.167	+39 25 23.39	-0.0020	+0.008	4.64	2	5.75	2	6.77	2	K0III		56224		
3759	R	PHE	23 53 52.010	-50 03 55.02	-0.0030	-0.004	7.5	7					M3E	7	248066	V	
3760	S	PHE	23 56 29.695	-56 51 13.23	-0.0012	+0.005	7.4	4					M3E	4	248090	V	
3761	AE	PHE	01 30 29.024	-49 47 01.40	+0.0169	-0.043	7.92	4					G0	6	215545	V	
3762	AF	PHE	00 13 38.820	-48 50 00.98	-0.0007	+0.016	8.5	6	10.03	7	11.48	7	MB	6	215026	V	
3763	AG	PHE	00 24 26.984	-40 09 29.28	+0.0057	-0.030	8.8	6					A3	6	215098	V	
3764	AI	PHE	01 07 20.803	-46 31 54.76	+0.0048	-0.003	8.5	6					G0	6	215389	V	
3765	AK	PHE	01 17 24.600	-47 33 16.23	-0.0023	-0.008	7.3	6	8.93	7	10.69	7	MB	6	215460	V	
3766	AL	PHE	01 23 05.022	-46 11 11.96	+0.0021	-0.034	8.28	4	9.79	7	11.26	7	MB	6	215498	V	
3767	SX	PHE	23 43 54.191	-41 50 51.87	+0.0235	-0.852	7.51	4					A0	4	231773	V	
3768	SY	PHE	01 28 20.499	-42 57 51.88	+0.0021	-0.022	9.4	6					FA	6	215532	V	
3769	SZ	PHE	01 31 54.597	-43 29 51.32	-0.0004	-0.019	9.2	6							215563	V	
3770	ALP	PHE	00 23 49.029	-42 34 38.54	+0.0187	-0.390	2.400	1	3.490	1	4.370	1	K0III		215093		
3771	BET	PHE	01 03 51.357	-46 59 09.77	-0.0029	+0.005	3.310	1	4.210	1	4.770	1	G8III		215365	DV?	
3772	GAM	PHE	01 26 11.776	-43 34 25.93	-0.0015	-0.203	3.410	1	4.980	1	6.820	1	K5II		215516	V?	
3773	DEL	PHE	01 29 10.327	-49 19 55.19	+0.0140	+0.159	3.950	1	4.940	1	5.640	1	K0III-IV		215536		
3774	EPS	PHE	00 06 52.775	-46 01 23.71	+0.0124	-0.177	3.880	1	4.910	1	5.750	1	K0III		214983		
3775	ZET	PHE	01 06 17.251	-55 30 45.72	+0.0024	+0.031	3.960	1	3.860	1	4.270	1	B6V		232306	DV	
3776	ETA	PHE	00 41 06.809	-57 44 13.25	-0.0002	+0.016	4.360	1	4.350	1	4.320	1	A0IV		232162	D	
3777	THE- 1	PHE	23 36 46.737	-46 54 54.72	+0.0010	+0.053	7.35	4							231718	D	
3778	THE- 2	PHE	23 36 47.311	-46 54 55.65	+0.0026	+0.039	6.64	4					A3	4	231719	D	
3779	IOT	PHE	23 32 23.520	-42 53 30.27	+0.0040	+0.005	4.71	2	4.79	2	4.86	2	A P		231675	DV	
3780	KAP	PHE	00 23 44.906	-43 57 25.67	+0.0098	+0.035	3.940	1	4.110	1	4.210	1	A7VN		215092		
3781	LAM- 1	PHE	00 29 00.580	-49 04 47.28	+0.0143	+0.026	4.770	1	4.780	1	4.820	1	A0V		215131	D	
3782	LAM- 2	PHE	00 33 18.316	-48 16 29.40	+0.0044	-0.098	5.52						DF7		215157		
3783	MU	PHE	00 38 58.031	-46 21 33.10	-0.0017	+0.005	4.590	1	5.560	1	6.280	1	G8III		215194		
3784	NU	PHE	01 12 55.906	-45 47 53.11	+0.0636	+0.190	4.960	1	5.540	1	5.640	1	F8V		215428		
3785	XI	PHE	00 39 30.000	-56 46 34.68	+0.0106	+0.050	5.70	2	5.90	2			A8P		232152	DV?	
3786	PI	PHE	23 56 20.774	-53 01 30.51	+0.0059	+0.066	5.14						K1III		248087		
3787	RHO	PHE	00 48 24.814	-51 15 33.91	+0.0060	+0.046	5.22	2	5.58	2			DF2		232203	V	
3788	SIG	PHE	23 44 37.216	-50 30 14.18	+0.0007	-0.011	5.18	2	4.99	2			B5		248018		
3789	TAU	PHE	23 58 30.781	-49 05 17.74	-0.0023	-0.003	5.71	2	6.62	2			G8III		231895		
3790	UPS	PHE	01 05 30.962	-41 45 14.23	+0.0033	+0.009	5.21	2	5.37	2	5.46	2	A3V		215374	D	
3791	PHI	PHE	01 52 17.583	-42 44 30.17	-0.0034	-0.028	5.11	2	5.05	2	4.91	2	A0		215697		
3792	CHI	PHE	01 59 42.158	-44 57 12.68	-0.0028	-0.041	5.14	2	6.63	2	8.45	2	GK5		215739		
3793	PSI	PHE	01 51 38.578	-46 32 48.92	-0.0083	-0.081	4.410	1	6.000	1	7.710	1	M4III		215696	V	
3794	OME	PHE	00 59 55.216	-57 16 16.58	+0.0007	+0.023	6.11	2	7.05	2			G8III		232268		
3795	R	PIC	04 44 49.277	-49 20 07.11	+0.0045	+0.036	6.5	4					M2E	4	216987	V	
3796	W	PIC	05 41 50.156	-46 28 30.99	-0.0013	+0.008	7.6	4					N ?	4	217489	V	
3797	RT	PIC	05 59 14.021	-44 53 51.28	+0.0010	+0.019	9.0	6					G5	6	217667	V	
3798	RV	PIC	04 56 18.720	-52 13 18.80	-0.0005	-0.002	9.0	7					B9		233758	V	
3799	RX	PIC	06 31 07.530	-63 29 53.47	+0.0016	+0.053	9.	7					A0	6	249576	V	
3800	SU	PIC	05 16 47.828	-45 37 52.54	-0.0005	-0.005	9.7	6							217277	V	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3801	SW	PIC	06 01 31.649	-60 05 40.99	+0.0012	+0.004	6.50		8.08	7	9.89	7	M1		249424	V	
3802	ALP	PIC	06 47 40.725	-61 53 14.35	-0.0101	+0.266	3.265	1	3.475	1	3.615	1	A5V		249647		
3803	BET	PIC	05 46 05.935	-51 05 01.75	+0.0005	+0.087	3.855	1	4.025	1	4.135	1	A3V		234114		
3804	GAM	PIC	05 48 55.024	-56 10 42.89	+0.0092	-0.074	4.51	2	5.61	2	6.59	2	K1III		234154		
3805	DEL	PIC	06 09 19.403	-54 57 24.59	-0.0009	+0.008	4.84						B0.5III	7	234359	V	
3806	ZET	PIC	05 18 08.388	-50 39 32.36	+0.0017	+0.228	5.45	2	5.96	2			F8III		233926		
3807	ETA- 1	PIC	05 01 30.064	-49 13 16.97	-0.0051	+0.026	5.39	2	5.81	2			DF4		217140	D	
3808	ETA- 2	PIC	05 03 40.155	-49 38 41.40	+0.0064	-0.001	5.01	2	6.47	2			M2III		217164	V?	
3809	THE- 1	PIC	05 23 34.089	-52 21 21.56	-0.0014	-0.017	6.8	4					A0	4	233964	D	
3810	THE- 2	PIC	05 23 38.040	-52 21 33.19	-0.0018	-0.029	6.32						A0		233965	D	
3811	IOT- 1	PIC	04 49 48.135	-53 32 45.52	-0.0107	+0.085	5.23	2	5.56	2			F0IV		233709	D	
3812	IOT- 2	PIC	04 49 49.289	-53 32 38.98	-0.0108	+0.083	6.44		6.780				F0		233710	D	
3813	KAP	PIC	05 21 26.776	-56 10 50.75	+0.0001	+0.027	6.11	2	6.01	2			B9		233952		
3814	LAM	PIC	04 41 29.347	-50 34 28.41	-0.0045	+0.039	5.31	2	6.29	2			GG8		233638		
3815	MU	PIC	06 31 13.640	-58 42 56.82	+0.0004	-0.011	5.78						B9		234564	D	
3816	NU	PIC	06 22 02.250	-56 20 32.97	-0.0043	-0.024	5.61	2	5.84	2			A M		234473		
3817	1	PSC	22 52 25.968	+00 47 52.57	+0.0014	+0.006	6.11	2	6.31	2	6.46	2	A3		127836		
3818	2	PSC	22 56 53.637	+00 41 43.79	+0.0056	-0.066	5.43	2	6.41	2	7.24	2	GK1		127881	D	
3819	3	PSC	22 58 04.009	-00 04 58.82	+0.0026	+0.020	6.21	2	7.10	2	7.70	2	GG4		146443		
3820	9	PSC	23 24 41.027	+00 50 51.75	+0.0028	-0.030	6.25	2	7.27	2	8.07	2	GG7		128188	V?	
3821	11	PSC	23 26 52.962	-02 03 59.72	-0.0010	-0.017	6.59	4					K0	4	146733		
3822	12	PSC	23 26 56.398	-01 18 40.25	-0.0013	-0.027	7.10	4					G0	4	146735		
3823	13	PSC	23 29 23.586	-01 21 43.93	+0.0006	+0.022	6.38	2	7.56	2	8.66	2	GK1		146756		
3824	14	PSC	23 31 34.697	-01 31 25.75	+0.0070	-0.007	5.87	2	6.17	2	6.33	2	A3M?		146780		
3825	15	PSC	23 32 55.123	+01 02 12.54	-0.0033	-0.021	6.65	4					K0	4	128270		
3826	16	PSC	23 33 50.114	+01 49 28.45	-0.0071	+0.062	5.67	2	6.11	2	6.03	2	DF0		128281		
3827	20	PSC	23 45 22.259	-03 02 22.61	+0.0062	+0.010	5.49	2	6.43	2	7.13	2	G8III		146915		
3828	21	PSC	23 46 53.769	+00 47 54.47	-0.0003	-0.024	5.77	2	5.93	2	6.04	2	A2		128401		
3829	22	PSC	23 49 24.141	+02 39 08.59	+0.0008	-0.010	5.54	2	7.07	2	8.92	2	K4II		128427		
3830	24	PSC	23 50 21.395	-03 25 59.47	+0.0048	-0.041	5.93	2	7.00	2	7.96	2	GG9		146954	D	
3831	25	PSC	23 50 31.017	+01 48 45.34	+0.0013	-0.006	6.28	2	6.27	2	6.26	2	A0		128436		
3832	26	PSC	23 52 34.163	+06 47 34.70	+0.0013	-0.013	6.21	2	6.14	2	5.95	2	A1		128466		
3833	27	PSC	23 56 06.762	-03 50 00.24	-0.0033	-0.068	4.86	2	5.79	2	6.49	2	G9III		147008	D	
3834	29	PSC	23 59 15.615	-03 18 20.81	+0.0009	-0.004	5.11	2	4.99	2	4.48	2	B8III		147041	V?	
3835	30	PSC	23 59 23.719	-06 17 30.91	+0.0033	-0.036	4.41	2	6.04	2	7.88	2	M3IV		147042	V?	
3836	31	PSC	23 59 50.387	+08 40 42.68	+0.0002	+0.003	6.32	2	6.50	2	6.64	2	A5		128544		
3837	33	PSC	00 02 46.530	-05 59 13.96	-0.0008	+0.094	4.61	2	5.65	2	6.52	2	K1III		128572		
3838	34	PSC	00 07 27.872	+10 52 03.14	+0.0027	+0.002	5.47		5.410				B8V		91750	D	
3839	36	PSC	00 13 59.725	+07 57 45.71	-0.0017	-0.008	6.11	2	7.03	2	7.69	2	GG6		109100		
3840	37	PSC	00 14 10.720	+13 38 20.97	+0.0024	+0.007	7.50	4					A3	4	91812		
3841	38	PSC	00 14 49.833	+08 35 52.29	+0.0056	+0.084	6.98	4					F5	4	109111	D	
3842	39	PSC	00 15 14.051	+16 03 13.73	+0.0152	-0.019	7.44	4					F5	4	91825		
3843	40	PSC	00 17 20.996	+15 58 25.25	-0.0011	-0.001	6.77	4					K0	4	91850		
3844	42	PSC	00 19 50.047	+13 12 18.46	+0.0042	+0.032	6.22	4					GK2		91866	D	
3845	43	PSC	00 22 02.625	+14 02 18.98	+0.0011	+0.002	6.80						K0	4	91881		
3846	44	PSC	00 22 50.274	+01 39 46.70	-0.0010	-0.012	5.77	2	6.63	2	7.20	2	GG5		109192		
3847	45	PSC	00 23 07.104	+07 24 53.46	+0.0031	-0.044	7.18	4					K0	4	109195		
3848	46	PSC	00 25 22.061	+19 14 16.27	-0.0013	-0.011	6.65	4					K0	4	91909		
3849	48	PSC	00 25 36.589	+16 10 07.58	+0.0013	-0.011	5.18						GK5		91912		
3850	49	PSC	00 28 11.068	+15 45 41.38	-0.0020	-0.002	6.94	4					A0	4	91934	D	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N	
3851	51	PSC	00 29 48.829	+06 40 46.79	+0.0024	+0.013	5.67	2	5.67	2	5.50	2	A0		109262	0		
3852	52	PSC	00 29 57.890	+20 01 09.15	+0.0095	-0.041	5.40		6.470				GK0		74084	0		
3853	53	PSC	00 34 10.771	+14 57 24.49	+0.0003	-0.014	5.81		5.680				B3V		91995	V?		
3854	54	PSC	00 36 45.412	+20 58 51.87	-0.0331	-0.366	5.86	2	6.71	2	7.29	2	K0V		74175			
3855	55	PSC	00 37 17.336	+21 09 51.71	+0.0020	-0.030	5.42						K0II-III		74182	0		
3856	57	PSC	00 43 55.721	+15 12 11.71	-0.0019	-0.040	5.36						GM4		92072	V?		
3857	58	PSC	00 44 24.737	+11 42 05.50	+0.0037	-0.027	5.52						GG9		92080			
3858	59	PSC	00 44 34.773	+19 18 20.69	+0.0070	+0.011	6.01						A5		92082			
3859	60	PSC	00 44 48.265	+06 28 06.15	+0.0008	-0.010	5.99	2	6.93	2	7.63	2	GG6		109461			
3860	61	PSC	00 45 15.380	+20 39 08.80	+0.0112	+0.011	6.45						DF6		74280	0		
3861	62	PSC	00 45 41.559	+07 01 38.29	+0.0073	+0.010	5.93	2	7.03	2	8.02	2	GG7		109470			
3862	64	PSC	00 46 20.792	+16 40 15.74	-0.0001	-0.200	5.12						F8V		92099			
3863	66	PSC	00 51 56.105	+18 55 03.39	+0.0013	-0.010	5.70		5.690				A1V		92145	0		
3864	70	PSC	00 59 30.651	+07 40 17.23	+0.0012	+6.039	7.84	4					G5	4	109614			
3865	72	PSC	01 02 26.726	+14 40 39.69	+0.0004	+0.059	5.58						DF2		92230	0		
3866	73	PSC	01 02 16.992	+05 23 19.59	+0.0017	-0.009	6.00	2	7.51	2	9.36	2	GK5		109656			
3867	75	PSC	01 03 55.550	+12 41 19.12	+0.0010	+0.038	6.13						GG7		92250			
3868	76	PSC	01 03 25.743	+31 54 52.26	+0.0009	-0.017	6.64	4					K0	4	54421			
3869	77	A	PSC	01 03 13.821	+04 38 33.19	+0.0013	-0.116	6.34	2	6.72	2	6.68	2	DF5		109666	0	
3870	77	B	PSC	01 03 16.018	+04 38 37.56	+0.0018	-0.114	7.24	2	7.73	2	7.70	2	DF4		109667	0	
3871	78	PSC	01 05 14.864	+31 44 44.93	+0.0158	-0.031	6.25	2	6.65	2	6.64	2	F5IV		54445			
3872	87	PSC	01 11 28.009	+15 52 09.85	-0.0016	-0.021	5.84		5.750				B8III		92326			
3873	88	PSC	01 12 06.140	+06 43 52.56	-0.0009	-0.019	6.03	2	7.11	2	8.12	2	GG6		109753			
3874	94	PSC	01 23 59.312	+18 58 55.02	+0.0035	-0.056	5.53						GK1		92444			
3875	95	PSC	01 25 03.867	+05 05 44.34	-0.0014	-0.128	7.33	4					G0	4	109905	0		
3876	96	PSC	01 26 26.278	+07 02 12.05	-0.0019	-0.049	6.68	4					F2	4	109916			
3877	100	A	PSC	01 32 11.938	+12 18 12.10	+0.0005	-0.006	7.02	4				A3	4	92521	0		
3878	100	B	PSC	01 32 13.028	+12 18 15.80	+0.0009	+0.001	8.1	4				A7	4	92522	0		
3879	101	PSC	01 33 05.736	+14 24 23.13	+0.0002	-0.007	6.13		6.090				B9III		92530	V?		
3880	103	PSC	01 36 33.218	+16 22 20.89	-0.0002	-0.017	6.87	4					G5	4	92555	0		
3881	104	PSC	01 36 34.387	+14 01 57.51	+0.0060	-0.026	6.93	4					K0	4	92556			
3882	105	PSC	01 36 58.626	+16 09 10.30	+0.0053	-0.011	5.92						GK2		92558			
3883	107	PSC	01 39 46.615	+20 01 34.34	-0.0209	-0.668	5.24	2	6.08	2	6.57	2	K1V		74883			
3884	109	PSC	01 42 11.644	+19 50 02.99	-0.0029	-0.105	6.15						DG4		92611			
3885	112	PSC	01 57 32.910	+02 51 31.64	+0.0152	-0.246	5.88	2	6.50	2	6.69	2	DG1		110266	V?		
3886	5	A	PSC	23 06 07.193	+01 51 18.97	+0.0095	+0.111	5.40	2	6.31	2	6.87	2	G8IV		127993		
3887	7	-B	PSC	23 17 47.637	+05 06 29.24	+0.0054	-0.056	5.05	2	6.25	2	7.37	2	K2III		128126		
3888	32	-C	PSC	23 59 56.192	+08 12 27.85	-0.0065	-0.044	5.69	2	6.00	2	6.01	2	DF0		128547		
3889	41	-D	PSC	00 18 01.317	+07 54 45.79	-0.0002	+0.014	5.37	2	6.71	2	8.26	2	GK3		109152	V?	
3890	80	-E	PSC	01 05 47.464	+05 23 08.68	-0.0177	-0.175	5.53	2	5.87	2	5.86	2	F2V		109697		
3891	89	-F	PSC	01 15 13.014	+03 21 06.23	-0.0035	-0.019	5.17	2	5.24	2	5.32	2	A3V		109793		
3892	82	-G	PSC	01 08 20.886	+31 09 33.62	-0.0009	-0.009	5.00					A7		54493			
3893	68	-H	PSC	00 55 07.383	+28 43 20.47	+0.0005	-0.005	5.54					GG6		74395			
3894	65	-I-1	PSC	00 47 11.400	+27 26 19.64	+0.0063	-0.005	6.29					GF2		74295	0		
3895	65	-I-2	PSC	00 47 11.766	+27 26 17.48	+0.0068	-0.004	6.29					GF0		74296	0		
3896	67	-K	PSC	00 53 16.764	+26 56 19.28	-0.0013	+0.012	5.97		6.080			A3V		74373			
3897	91	-L	PSC	01 18 21.077	+28 28 39.56	+0.0022	-0.067	5.30					GK5		74647			
3898		-R	PSC	01 28 03.356	+02 37 27.97	+0.0007	+0.000	7.0	4				M4E	4	109934	V		
3899		-S	PSC	01 14 57.368	+08 40 04.87	-0.0014	-0.010	8.2	4				M7E	4	109789	V		
3900		-Y	PSC	23 31 52.679	+07 38 53.97	+0.0004	+0.012	8.8	6				A2	6	128261	V		

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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3901	Z	PSC	01 13 21.018	+25 30 20.14	-0.0006	-0.007	6.9	4					NA	4	74593	V	
3902	KT	PSC	01 11 03.729	+26 52 07.31	-0.0000	-0.040	8.7	6					M0	6	74573	V	
3903	SZ	PSC	23 10 50.564	+02 24 10.02	-0.0002	+0.041	8.1	6					G5	6	128041	V	
3904	47 TV	PSC	00 25 26.270	+17 36 59.07	+0.0082	+0.025	6.9						M3III		91910	V	
3905	TW	PSC	00 37 09.481	+13 55 33.61	-0.0001	-0.006	9.2	6							92012	V	
3906	19 TX	PSC	23 43 50.103	+03 12 33.74	-0.0024	-0.015	5.14	2	7.65	2	11.15	2	C6-2		128374	V	
3907	35 UU	PSC	00 12 24.115	+08 32 36.36	+0.0064	-0.022	5.79	2	6.10	2	6.14	2	GA9		109087	UV	
3908	UV	PSC	01 14 18.530	+06 32 53.01	+0.0055	+0.028	8.7	6					G5	6	109778	V	
3909	JZ	PSC	01 43 04.440	+08 18 34.95	+0.0018	-0.011	6.62	4					A2P	7	110111	V	
3910	47 VX	PSC	01 27 10.619	+18 05 52.27	+0.0044	+0.001	5.93		6.070				A4III		92463	V	
3911	VY	PSC	01 43 52.168	+17 09 47.61	+0.0037	+0.015	6.37						A7N		92622	V	
3912	WW	PSC	00 57 13.983	+06 12 49.96	+0.0014	-0.002	6.11	2	7.78	2	9.69	2	GM2	7	109581	UV	
3913	WZ	PSC	02 03 33.631	+08 00 35.68	-0.0005	-0.031	6.66	4	8.28	7	10.14	7	M4	7	110337	V	
3914	113 ALP	PSC	01 59 27.392	+02 31 23.04	+0.0020	+0.000	3.82	2					A M-AP		110291	UV?	
3915	4 BET	PSC	23 01 19.867	+03 33 01.75	+0.0007	-0.004	4.52	2	3.84	2	3.75	2	B5PF		127934		
3916	6 GAM	PSC	23 14 34.331	+03 00 31.65	+0.0507	+0.022	3.690	1	4.600	1	5.170	1	G7III		128085		
3917	03 DEL	PSC	00 46 05.113	+07 18 47.93	+0.0056	-0.046	4.44	2	5.95	2	7.83	2	K5III		109474		
3918	71 EPS	PSC	01 00 20.700	+07 37 17.02	-0.0054	+0.028	4.28	2	5.24	2	5.95	2	K0III		109627		
3919	86 ZET- 1	PSC	01 11 06.933	+07 18 41.34	+0.0095	-0.050	4.86	2	5.18	2	5.27	2	A5		109739	UV?	
3920	86 ZET- 2	PSC	01 11 08.346	+07 18 52.03	+0.0097	-0.046	6.49						DF6		109740	UV?	
3921	99 ETA	PSC	01 28 48.197	+15 05 19.39	+0.0019	-0.002	3.620	1	4.590	1	5.330	1	G8III		92484	UV?	
3922	10 THE	PSC	23 25 25.805	+06 06 14.76	-0.0082	-0.041	4.30	2	5.38	2	6.41	2	K1III		128196		
3923	17 IOT	PSC	23 37 22.603	+05 21 18.60	+0.0251	-0.432	4.13	2	4.64	2	4.64	2	F7V		128310		
3924	8 KAP	PSC	23 24 22.087	+00 58 53.91	+0.0057	-0.092	4.94	2	4.98	2	4.94	2	A P		128186	V	
3925	16 LAM	PSC	23 39 29.636	+01 30 17.32	-0.0087	-0.147	4.51	2	4.72	2	4.79	2	A7V		128336		
3926	98 MU	PSC	01 27 33.722	+05 53 12.21	+0.0197	-0.042	4.84	2	6.22	2	7.74	2	K4III		109926		
3927	106 NU	PSC	01 38 49.559	+05 14 07.13	-0.0016	+0.006	4.44	2	5.80	2	7.36	2	K3III		110065		
3928	111 XI	PSC	01 50 57.835	+02 56 29.48	+0.0013	+0.028	4.63	2	5.57	2	6.27	2	K0III		110206	V?	
3929	110 OMI	PSC	01 42 44.968	+08 54 24.64	+0.0048	+0.052	4.26	2	5.22	2	5.90	2	G8III		110110		
3930	102 PI	PSC	01 34 26.628	+11 53 11.61	-0.0045	+0.048	5.56						A5M		92536		
3931	93 RHO	PSC	01 23 33.246	+18 54 45.75	-0.0017	+0.014	5.26						DF1		92436	V?	
3932	69 SIG	PSC	01 00 04.340	+31 32 10.89	+0.0011	-0.023	5.38		5.330				B9V		54374		
3933	83 TAU	PSC	01 08 53.974	+29 49 29.07	+0.0056	-0.032	4.51	2	5.61	2	6.61	2	K0III-IV		74546		
3934	90 UPS	PSC	01 16 42.703	+27 00 06.79	+0.0019	-0.006	4.76	2	4.79	2	4.89	2	A2V		74637		
3935	85 PHI	PSC	01 11 01.657	+24 19 09.68	+0.0011	-0.027	4.66	2	5.69	2	6.53	2	K0III		74571	D	
3936	84 CHI	PSC	01 08 45.636	+20 46 09.66	+0.0027	-0.006	4.66	2	5.69	2	6.50	2	G8III		74544		
3937	74 PSI- 1A	PSC	01 02 59.772	+21 12 21.62	+0.0036	-0.011	5.55		5.510				B9.5IV		74482	D	
3938	74 PSI- 1B	PSC	01 03 00.520	+21 11 53.41	+0.0034	-0.013	5.82		5.780				B9V		74483	D	
3939	79 PSI- 2	PSC	01 05 15.941	+20 28 25.79	+0.0062	-0.089	5.58		5.710				A3V		74506		
3940	61 PSI- 3	PSC	01 07 08.495	+19 23 32.33	-0.0004	+0.013	5.50						GF5		92283		
3941	28 OME	PSC	23 56 44.493	+06 35 11.41	+0.0102	-0.109	4.010	1	4.430	1	4.500	1	F4IV		128513		
3942	1	PSA	= GAM MIC														
3943	2	PSA	21 03 21.537	-32 32 34.02	+0.0000	+0.013	5.26						GK3		212716		121
3944	3	PSA	21 10 19.673	-27 49 28.35	+0.0074	-0.116	5.42	2	6.84	2			K5III		190129		122
3945	4	PSA	= EPS MIC														
3946	5	PSA	21 26 04.793	-31 27 26.99	+0.0018	-0.008	6.60						A0		213034		
3947	6	PSA	21 29 13.447	-34 09 57.86	+0.0003	-0.002	5.99						A2IV		213078	UV?	
3948	7	PSA	21 33 48.984	-33 16 21.67	+0.0071	+0.000	6.11	2	6.33	2			A5		213136		
3949	8	PSA	21 33 17.244	-26 23 43.94	+0.0083	-0.020	5.73	2	5.95	2			A3M		190478	D	
3950	11	PSA	21 56 43.073	-27 52 12.76	+0.0029	+0.002	7.46	4					F0	4	190800	D	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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3951	13	PSA	22 01 31.187	-30 09 34.39	+0.0011	+0.005	6.47	2	8.10	2			K5		213517		
3952	19	PSA	22 39 35.486	-29 37 22.08	+0.0022	-0.011	6.17		7.690				GM5		191337		
3953	20	PSA	22 42 48.015	-25 30 01.13	+0.0062	+0.020	6.85	4					A0	4	191382		
3954	21	PSA	22 48 35.745	-29 48 05.90	-0.0003	-0.007	6.03						GG9		191444		
3955	R	PSA	22 15 09.869	-29 51 17.34	+0.0008	-0.022	8.5	4					M3E	4	191030	V	
3956	T	PSA	22 23 20.818	-29 20 11.39	+0.0032	-0.019	8.0	6					F2	6	191138	V	
3957	V	PSA	22 52 34.962	-29 52 43.37	+0.0032	+0.004	9.3	7					MB	6	191491	V	
3958	SV	PSA	21 35 41.983	-33 34 48.53	+0.0013	+0.003	9.4	6					G5	6	213159	V	
3959	TT	PSA	22 00 22.687	-31 41 14.15	-0.0006	-0.017	7.52	5	9.00	7	10.23	7	M7III	7	213500	V	
3960	24 ALP	PSA	22 54 53.531	-29 53 15.79	+0.0258	-0.161	1.160	1	1.250	1	1.310	1	A3V		191524		
3961	17 BET- 1	PSA	22 28 40.070	-32 36 11.08	+0.0053	-0.012	4.290	1	4.300	1	4.320	1	A0V		213883	D	
3962	BET- 2	PSA	22 28 40.358	-32 36 41.57	+0.0040	-0.022	7.8	4							213884		
3963	22 GAM	PSA	22 49 45.065	-33 08 28.32	-0.0024	-0.021	4.460	1	4.420	1	4.280	1	A0V		214153	DV?	
3964	23 DEL	PSA	22 53 11.009	-32 48 26.29	+0.0014	-0.035	4.210	1	5.180	1	5.880	1	GG8		214149	D	
3965	18 EPS	PSA	22 37 53.638	-27 18 17.76	+0.0022	+0.005	4.160	1	4.040	1	3.700	1	B8VE		191318		
3966	ZET	PSA	22 28 07.169	-26 19 46.83	+0.0026	-0.066	6.53						GK0		191196	DV?	
3967	12 ETA	PSA	21 57 58.127	-28 41 39.91	+0.0013	+0.010	5.42	2	5.32	2			B8V		190822	D	
3968	10 THE	PSA	21 44 48.411	-31 07 50.65	-0.0018	+0.001	5.01	2	5.05	2			A2IIIN		213292	D	
3969	9 IOT	PSA	21 41 58.427	-33 15 17.86	+0.0028	-0.090	4.340	1	4.290	1	4.180	1	A0SI		213258	D	
3970	16 LAM	PSA	22 11 28.964	-28 00 56.11	+0.0021	-0.002	5.45		5.340				B8III		190985		
3971	14 MU	PSA	22 05 28.281	-33 14 00.28	+0.0061	-0.033	4.500	1	4.550	1	4.610	1	A2V		213576		
3972	PI	PSA	23 00 44.085	-35 01 12.70	+0.0058	+0.085	5.11		5.410				F0IV		214275	V	
3973	15 TAU	PSA	22 07 13.298	-32 47 41.36	+0.0344	+0.015	4.92	2	5.40	2			DF5		213602		
3974	UPS	PSA	22 05 30.682	-34 17 18.22	+0.0006	-0.045	4.99		6.470				GM1		213577		
3975	1	PUP	07 41 31.201	-28 17 27.46	-0.0014	+0.022	4.590	1	6.220	1	8.200	1	GK5		174391	DV?	
3976	2	A PUP	07 43 11.072	-14 34 04.60	-0.0014	-0.030	6.06						A0		153363	D	
3977	5	A PUP	07 45 36.136	-12 04 07.99	-0.0080	+0.055	5.52						DF5		153414	D	
3978	2	B PUP	07 43 10.625	-14 33 48.31	-0.0015	-0.022	6.80						AC		153362	D	
3979	3	PUP	07 41 47.957	-28 50 03.19	-0.0008	-0.005	3.950	1	4.130	1	4.080	1	A3IIIEP		174400		
3980	4	PUP	07 43 38.664	-14 26 27.59	-0.0014	+0.003	5.04	2	5.37	2	5.46	2	A6N		153372		
3981	5	B PUP	07 45 36.123	-12 04 05.88	-0.0098	+0.028	8.2	4					DG3		153413	D	
3982	6	PUP	07 47 25.628	-17 05 59.44	+0.0033	-0.120	5.54						K3III		153454		
3983	8	PUP	07 49 20.522	-12 41 24.96	-0.0005	-0.015	6.46						F2		153499		
3984	9	PUP	07 49 27.328	-13 45 50.78	-0.0046	-0.344	5.160	1	5.760	1	5.820	1	G1V		153500	D	
3985	10	PUP	07 50 00.742	-14 42 59.29	-0.0012	-0.006	5.69						CF3		153520		
3986	12	PUP	07 56 56.986	-23 10 24.06	-0.0012	-0.002	5.11	2	6.23	2			CK2		174932		
3987	14	PUP	08 02 28.224	-19 35 06.67	-0.0002	+0.000	6.13	2	5.97	2			B3V		153796		
3988	16	PUP	08 06 47.628	-19 05 50.94	-0.0015	-0.019	4.40	2	4.25	2	3.65	2	B5V		153890		
3989	18	PUP	08 08 20.745	-13 39 03.44	-0.0170	+0.052	5.54	2	6.03	2			DF7		153924		
3990	19	PUP	08 08 55.501	-12 46 38.70	-0.0021	+0.008	4.72	2	5.68	2	6.45	2	K0III		153942	D	
3991	20	PUP	08 11 02.019	-15 38 10.95	-0.0014	-0.007	4.99	2	6.06	2			G5II		153993		
3992	21	PUP	08 15 05.499	-16 07 44.75	-0.0018	-0.012	6.31						A0		154076		
3993	22	PUP	08 20 25.732	-12 53 34.10	-0.0039	-0.048	3.13	2	4.13	2			GG7		154177		
3994	A	PUP	07 07 10.276	-39 34 27.71	-0.0010	-0.004	4.83	2	4.65	2	3.96	2	B3V		197632		
3995	-A	PUP	07 50 29.827	-40 26 45.27	-0.0014	+0.000	3.730	1	4.780	1	5.530	1	G5III		219082		
3996	-B	PUP	07 50 52.397	-38 43 56.84	-0.0008	-0.008	4.49	2	4.30	2	3.61	2	B3V		198545		
3997	C	PUP	07 02 27.608	-42 15 44.93	-0.0016	-0.067	5.20	2	5.40	2			A M		218424		
3998	-C	PUP	07 43 28.327	-37 50 46.51	-0.0012	-0.001	3.610	1	5.340	1	7.040	1	CK		198398		
3999	D	PUP	07 05 28.757	-40 48 50.15	-0.0013	+0.003	5.91						B9		218465		
4000	-D- 1	PUP	07 37 41.560	-38 11 32.04	-0.0018	+0.002	4.85	2	4.66	2	4.01	2	B3N		198253		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
4001	-D- 2 PUP	07 37 57.705	-38 01 23.49		-0.0022	+0.009	5.74						B5		198265	D	
4002	-D- 3 PUP	07 38 01.910	-38 08 39.65		-0.0015	+0.002	5.76	2	5.69	2			R3N		198268		
4003	-D- 4 PUP	07 38 10.830	-37 27 46.01		-0.0005	-0.012	6.00	2	5.96	2	5.50	2	R3IV		198273		
4004	E PUP	07 10 36.356	-40 24 47.92		-0.0022	-0.017	5.31	2	5.37	2	5.46	2	A P		218525		
4005	-E- 1 PUP	07 36 55.091	-36 22 53.93		-0.0011	-0.001	5.80	2	5.64	2			B5		198277		
4006	-E- 2 PUP	07 54 42.490	-22 44 43.84		-0.0024	+0.005	4.20	2	4.92	2	5.36	2	F8II		174852		
4007	F PUP	07 16 51.194	-39 07 04.40		+0.0002	+0.005	5.24						A1		197876		
4008	-F PUP	07 35 31.016	-34 51 17.92		-0.0023	+0.013	4.53	2	4.44	2	4.13	2	B8V		198195	D	
4009	G PUP	06 24 24.118	-48 08 46.84		-0.0011	-0.031	5.76	2	5.70	2	5.53	2	B9		217922	D	
4010	H PUP	07 02 35.650	-49 30 35.90		-0.0053	+0.146	4.93	2	5.07	2			A2M		218427		
4011	-H- 1 PUP	08 09 34.249	-39 28 06.92		-0.0006	-0.006	4.45	2	6.07	2	7.92	2	CK		198908	V?	
4012	-H- 2 PUP	08 12 16.284	-40 11 39.07		+0.0035	-0.070	4.44	2	5.61	2	6.70	2	GK0		219635	D	
4013	I PUP	07 11 08.037	-46 40 29.97		-0.0136	+0.100	4.49	2	4.81	2	4.80	2	F0V		218577		
4014	J PUP	07 51 49.995	-47 58 18.20		-0.0001	+0.000	4.24	2	4.10	2	3.11	2	B1IF		219111		
4015	-K- 1 PUP	07 36 46.323	-26 41 12.59		-0.0016	+0.016	4.494	2	4.304	2	3.744	2	B8		174198	D	123
4016	-K- 2 PUP	07 36 46.820	-26 41 19.88		-0.0025	+0.025	4.614	2	4.424	2	3.864	2	B5N		174199	D	124
4017	-L- 1 PUP	07 11 43.549	-45 05 42.29		-0.0024	-0.100	4.90	2	4.88	2			A ST		218546	V?	
4018	-L- 2 PUP	07 12 00.687	-44 33 26.39		+0.0098	+0.330	5.100	1	6.660	1	7.950	1	GM5F		218549	DV	125
4019	M PUP	07 10 31.277	-43 53 39.99		-0.0020	+0.000	5.96						B9		218618		
4020	-M PUP	07 36 13.084	-25 15 00.43		-0.0008	-0.010	4.70	2	4.59	2	4.24	2	B9		174175	D	
4021	N PUP	07 55 41.224	-43 58 27.87		-0.0002	+0.007	5.09	2	4.92	2			B3		219197	D	
4022	-N- 1 PUP	07 32 11.738	-23 21 48.32		-0.0072	-0.001	5.770	2	6.200	2	6.230	2	DF4		174019	D	126
4023	-N- 2 PUP	07 32 12.337	-23 21 52.24		-0.0084	-0.013	5.920	2	6.350	2	6.380	2	DF6		174020	D	127
4024	O PUP	07 50 17.441	-45 26 31.19		-0.0012	+0.019	5.17	2	6.44	2			GK4		219218		
4025	P PUP	07 47 42.846	-46 14 47.17		-0.0006	+0.005	4.11	2	3.93	2	2.92	2	B0.5III		219035	D	
4026	-P PUP	07 33 22.339	-28 15 27.91		-0.0059	-0.022	4.61	2	4.49	2	4.06	2	B8		174058	D	
4027	Q PUP	07 46 50.886	-46 57 02.24		-0.0091	-0.079	4.71	2	5.77	2	6.69	2	K0III		219018		
4028	-Q PUP	08 16 40.940	-36 30 12.25		-0.0093	+0.093	4.45	2	4.67	2	4.78	2	A7III		199070		
4029	R PUP	07 38 56.212	-31 32 36.40		+0.0007	+0.010	6.56	2	7.74	2	8.57	2	G0IA		198286	V	
4030	-R PUP	08 11 36.196	-35 44 51.41		-0.0003	-0.004	4.77	2	4.66	2	3.68	2	B1.5IIIE	7	198957	V	
4031	S PUP	07 45 16.786	-47 59 17.44		-0.0019	+0.016	7.18	4					A2	4	218988	V	
4032	T PUP	07 40 25.895	-40 31 34.75		-0.0009	-0.031	5.96						M1		219006	V	
4033	-T PUP	06 56 35.185	-34 02 33.48		-0.0017	+0.014	5.06	2	4.90	2			B5		197427		
4034	V PUP	07 56 48.105	-49 06 30.44		-0.0016	+0.007	4.200	1	4.020	1	3.070	1	B2N		219226	DV	
4035	W PUP	07 44 17.745	-42 04 21.62		-0.0007	+0.002	7.5	7					M3E	7	218969	V	
4036	-W PUP	08 19 24.794	-32 53 39.54		-0.0011	+0.005	4.83	2	6.28	2	7.88	2	K1III		199118		
4037	X PUP	07 30 36.786	-20 48 03.32		+0.0013	+0.024	8.0	4					K0	4	173973	V	
4038	-X PUP	06 45 38.630	-37 52 24.62		-0.0015	-0.018	5.26	2	5.18	2			B9IV		107215	D	
4039	-Y- 0 PUP	06 37 17.587	-48 10 28.82		+0.0002	+0.012	4.93	2	5.80	2	6.39	2	GG6		218093	D	128
4040	-Y- 1 PUP	07 27 21.722	-38 42 27.65		-0.0025	+0.019	5.43	2	5.27	2			B3IV		198045		
4041	-Y- 2 PUP	07 35 19.868	-48 43 00.46		-0.0008	+0.007	5.72	2	5.66	2			B9		218841		
4042	-Y- 3 PUP	07 36 53.375	-48 29 10.86		-0.0003	+0.008	5.65		6.25	7	6.67	7	F4IAB	7	218852	V	
4043	-Z- 1 PUP	06 28 35.264	-50 12 10.96		-0.0061	-0.058	5.32						F2		234579	D	
4044	-Z- 2 PUP	07 32 02.380	-36 13 43.04		-0.0015	-0.001	5.56	2	5.50	2			B3?VNEK		198130		
4045	AA PUP	07 59 28.894	-24 34 40.55		-0.0003	+0.003	9.4	6					F8	6	175004	V	
4046	AP PUP	07 56 00.958	-39 59 14.80		-0.0033	-0.010	7.50	5					F5?-F8?	7	198641	V	
4047	AQ PUP	07 56 20.720	-28 59 37.26		-0.0017	+0.012	8.7	6					K5	6	174904	V	
4048	AT PUP	08 10 30.774	-36 47 34.27		-0.0014	-0.003	8.09	7					F5	6	198970	V	
4049	AU PUP	08 15 55.185	-41 33 05.62		-0.0009	-0.008	8.7	6					A0	6	219743	V	
4050	BG PUP	08 05 30.771	-20 32 15.77		-0.0026	+0.003	8.6	6					M2	6	175218	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C T. NO.	STAR PROP.	G N
4051	BH PUP	08 06 32.407	-41 52 58.69		-0.0005	+0.001	8.7	6					F9	6	219459	V	
4052	HU PUP	07 53 38.431	-28 30 54.94		+0.0011	-0.028	8.9	6					K5	6	174817	V	
4053	KQ PUP	07 31 30.073	-14 24 52.04		-0.0013	-0.000	4.98	2	6.38	2			M2IABEP+B2	7	153072	V	
4054	KV PUP	07 45 52.766	-48 24 43.06		-0.0045	-0.012	9.6	5					A0	7	218999	V	
4055	MQ PUP	07 29 33.686	-37 53 42.18		+0.0002	+0.004	8.8	6					B9	6	198045	V	
4056	MW PUP	07 54 26.166	-44 46 44.05		-0.0015	+0.002	9.2	6					A0	6	219162	V	
4057	MX PUP	= -K PUP															
4058	MY PUP	= -Y-3 PUP															
4059	MZ PUP	08 02 19.176	-32 31 56.35		-0.0006	+0.002	5.40		7.32	7			CM1		198764	V	
4060	NO PUP	08 24 27.447	-38 53 39.10		-0.0020	-0.011	6.68						B9V:	7	199222	OV	
4061	RS PUP	08 11 08.975	-34 25 35.61		-0.0025	+0.020	7.59	7					F8-K5	7	198944	V	
4062	RT PUP	08 03 32.059	-38 37 57.89		-0.0017	+0.010	10.2	7					NR	6	198783	V	
4063	RU PUP	08 05 20.055	-22 46 00.18		-0.0005	-0.022	8.5	6					N3	6	175215	V	
4064	RY PUP	07 29 11.401	-34 52 38.97		-0.0003	+0.005	7.72	4					K5	4	198072	V	
4065	RZ PUP	07 43 24.713	-39 43 34.98		-0.0004	+0.006	7.41	4					K2	4	198396	V	
4066	SW PUP	08 17 08.043	-42 35 44.11		-0.0034	+0.008	9.4	6					F0	6	219771	V	
4067	TX PUP	07 00 40.187	-41 32 14.02		-0.0036	-0.017	9.0	6					G0	6	218394	V	
4068	TY PUP	07 30 35.866	-20 41 02.30		-0.0011	+0.054	8.8	6					F0	6	173970	V	
4069	UZ PUP	07 39 26.765	-13 16 30.70		+0.0015	+0.050	9.1	6					F2	6	153259	V	
4070	VX PUP	07 30 27.661	-21 49 19.99		+0.0013	-0.020	8.7	6					F5	6	173963	V	
4071	WX PUP	07 39 54.486	-25 45 27.31		-0.0012	-0.008	8.8	6					G0	6	174319	V	
4072	XY PUP	08 07 12.937	-11 50 16.08		+0.0026	-0.021	8.8	6					A3	6	153899	V	
4073	XZ PUP	08 11 22.061	-23 48 03.97		-0.0033	+0.005	7.3	5					A0	7	175409	V	
4074	YY PUP	07 33 39.949	-19 16 49.08		-0.0055	-0.005	8.8	6					A0	6	153116	V	
4075	ZZ PUP	07 46 12.994	-19 10 02.06		+0.0001	+0.032	9.0	6					B9	6	153429	V	
4076	ZET PUP	08 01 49.552	-39 51 40.83		-0.0027	+0.011	2.250	1	1.980	1	0.890	1	05F		198752		
4077	NU PUP	06 36 13.796	-43 09 04.09		-0.0006	-0.005	3.170	1	3.060	1	2.650	1	B8III		218071		
4078	7 XI PUP	07 47 11.421	-24 43 59.22		-0.0005	-0.004	3.350	1	4.600	1	5.780	1	G3Ia		174601	D	
4079	OMI PUP	07 46 00.394	-25 48 42.76		-0.0010	+0.003	4.52	2	4.47	2	3.45	2	B0V		174558	D	
4080	PI PUP	07 15 22.550	-37 00 23.90		-0.0010	+0.003	2.700	1	4.320	1	5.570	1	K5III		197795	V?	
4081	15 RHO PUP	08 05 24.821	-24 09 32.30		-0.0064	+0.048	2.810	1	3.240	1	3.430	1	F6IIP		175217	DV	
4082	SIG PUP	07 27 38.615	-43 11 57.43		-0.0054	+0.186	3.254	1	4.774	1	6.544	1	K5III		218755	D	129
4083	TAU PUP	06 48 41.683	-50 33 15.49		+0.0033	-0.074	2.920	1	4.120	1	5.330	1	K0III		234735		
4084	UPS- 1 PUP	07 16 31.676	-36 38 30.49		-0.0008	-0.001	4.67	2	4.57	2	3.78	2	B3VE		197824		
4085	UPS- 2 PUP	07 16 51.454	-36 39 00.67		-0.0007	+0.001	5.11	2	4.95	2	4.28	2	B3V		197837		
4086	R PYX	08 43 23.798	-28 01 04.14		-0.0024	-0.002	7.8	4							176430	V	
4087	U PYX	08 27 49.133	-30 09 25.85		-0.0017	+0.009	8.0	6					K5	6	199294	V	
4088	V PYX	08 51 25.693	-34 37 44.43		-0.0025	-0.021	9.0	7					K2	6	199750	V	
4089	RZ PYX	08 49 56.062	-27 17 41.72		-0.0008	-0.012	8.7	6					B9	6	176601	V	
4090	TT PYX	08 46 21.553	-25 58 39.07		+0.0003	-0.011	8.9	6					B9	6	176505	V	
4091	TU PYX	09 07 58.341	-19 42 34.85		-0.0055	-0.017	8.7	6					G0	6	154972	V	
4092	TY PYX	08 57 34.039	-27 37 10.52		-0.0045	-0.032	6.8	6					G0	6	176805	V	
4093	ALP PYX	08 41 34.889	-33 00 18.64		-0.0014	+0.009	3.690	1	3.510	1	2.640	1	B2III		199546		
4094	BET PYX	08 38 08.645	-35 07 47.40		+0.0012	-0.018	3.980	1	4.910	1	5.560	1	G4III		199490	n	
4095	GAM PYX	08 48 24.519	-27 31 24.55		-0.0100	+0.082	4.01	2	5.27	2	6.67	2	K4III		176559		
4096	DEL PYX	08 53 22.753	-27 29 18.69		+0.0057	-0.105	4.89	2	4.99	2	5.12	2	A3V		176697	D	
4097	EPS- 1 PYX	09 07 49.166	-30 09 37.21		-0.0002	-0.048	5.633	2	5.823	2			A M		200047	D	130
4098	EPS- 2 PYX	09 07 49.898	-30 09 52.57		+0.0014	-0.059	9.110	2	9.300	2			A3		200049	D	131
4099	ZET PYX	08 37 37.909	-29 22 55.74		-0.0014	-0.100	4.89	2	5.79	2			G64		176253	DV?	
4100	ETA PYX	08 35 43.953	-26 04 44.07		-0.0016	-0.015	5.27	2	5.23	2			A0		176189	D	

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4101	THE PYX	09 19 16.677	-25 45 06.29		-0.0009	-0.011	4.72	2	6.33	2	8.36	2	M1III		177322		
4102	KAP PYX	09 05 51.103	-25 39 20.58		+0.0028	+0.005	4.56	2	6.17	2	8.04	2	GMD		177002	UV?	
4103	LAM PYX	09 21 02.222	-28 37 09.04		-0.0106	+0.016	4.68	2	5.59	2	6.22	2	GG7		177374		
4104	R RET	04 33 01.116	-63 07 55.59		-0.0017	+0.040	6.8	4					M4F	4	249053	V	
4105	S RET																
4106	ALP RET	04 13 46.543	-62 35 55.03		+0.0067	+0.050	3.350	1	4.260	1	4.890	1	G6II		248969	D	
4107	BET RET	03 43 33.963	-64 57 50.21		+0.0495	+0.078	3.850	1	4.985	1	6.095	1	K0IV		248877		
4108	GAM RET	04 00 10.113	-62 17 54.81		+0.0003	+0.028	4.500	1	6.140	1	7.940	1	GM5		248925	V	
4109	DEL RET	03 57 56.956	-61 32 27.65		+0.0014	-0.017	4.550	1	6.170	1	8.120	1	M2III		248918		
4110	EPS RET	04 15 36.943	-59 25 18.30		-0.0067	-0.162	4.44	2	5.52	2	6.59	2	GK1		233463	D	
4111	ZET- 1 RET	03 16 40.785	-62 45 57.85		+0.1946	+0.661	5.54	2	6.18	2			G2V		248770		
4112	ZET- 2 RET	03 17 07.399	-62 41 47.77		+0.1936	+0.658	5.24	2	5.84	2			G1V		248774		
4113	ETA RET	04 21 20.563	-63 30 17.09		+0.0133	+0.174	5.18		6.130				G7III		249009		
4114	THE- 1 RET	04 17 06.086	-63 22 32.53		-0.0044	-0.006	8.3	4							2489A5	D	
4115	THE- 2 RET	04 17 06.303	-63 22 35.60		-0.0003	+0.029	6.2	4							2489A6	D	
4116	IOT RET	04 00 29.261	-61 13 06.50		+0.0092	+0.095	4.960	1	6.380	1	8.080	1	GK4	4	248927	D	
4117	KAP RET	03 28 29.944	-63 06 47.94		+0.0560	+0.376	4.71	2	5.10	2	5.06	2	F5V		248819	D	
4118	1 SGE	19 13 08.019	+21 08 36.41		+0.0027	+0.013	5.55						A1		86987		
4119	2 SGE	19 22 07.276	+16 50 20.54		-0.0003	-0.010	5.96		6.010				A M		104797		
4120	3 SGE	19 22 30.479	+16 51 28.42		+0.0026	-0.008	6.76	4					A0	4	104804		
4121	9 SGE	19 50 07.878	+18 32 31.85		-0.0002	-0.002	6.22	2	6.23	2	5.31	2	08F		105360		
4122	11 SGE	19 55 29.144	+16 39 11.54		+0.0007	+0.018	5.38		5.310				B9IV		105471		
4123	14 SGE	20 01 12.665	+15 53 22.93		+0.0001	-0.003	5.50		5.370				B8III-III		105615		132
4124	15 SGE	20 01 51.341	+16 56 00.49		-0.0277	-0.411	5.80	2	6.41	2	6.50	2	OG1		105635		
4125	18 SGE	20 14 07.850	+21 26 38.76		-0.0000	-0.022	6.12	2	7.16	2	8.08	2	K1III		88433		
4126	R SGE	20 11 46.705	+16 34 26.20		-0.0000	+0.008	8.6	4					G5	4	105871	V	
4127	10 S SGE	19 53 44.919	+16 30 03.99		+0.0002	-0.003	5.40		6.200				F6IB		105436	V	
4128	U SGE	19 16 37.057	+19 31 04.09		+0.0015	+0.003	6.5						B7III+K1II		104711	V	
4129	13 VZ SGE	19 57 47.758	+17 22 43.03		+0.0002	-0.010	5.39						GM4		105522	DV	
4130	5 ALP SGE	19 37 51.612	+17 53 51.21		+0.0009	-0.020	4.37	2	5.14	2	5.57	2	G0II		105120	D	
4131	6 BET SGE	19 38 48.129	+17 21 31.95		+0.0006	-0.033	4.37	2	5.42	2	6.31	2	G8II		105133		
4132	12 GAM SGE	19 56 31.938	+19 21 18.47		+0.0046	+0.025	3.470	1	5.040	1	6.970	1	K5III		105500		
4133	7 DEL SGE	19 45 09.429	+18 24 34.68		+0.0005	+0.010	3.830	1	5.240	1	6.200	1	M2III?+B?		105259	V?	
4134	4 EPS SGE	19 35 01.520	+16 20 57.07		+0.0013	+0.016	5.54						G8III		105061	DV?	
4135	8 ZET SGE	19 46 45.415	+19 00 55.53		+0.0014	+0.031	5.00	2	5.10	2	5.16	2	A3V		105298	D	
4136	16 ETA SGE	20 02 56.348	+19 50 47.52		+0.0020	+0.083	5.08						K2III		105659		
4137	THE- 1 SGE	20 07 40.055	+20 44 54.04		-0.0003	+0.009	7.29	4					K2	4	88270	D	
4138	THE- 2 SGE	20 07 43.696	+20 46 04.93		+0.0042	+0.103	8.6	4					G5	4	88275	D	
4139	THE- 3 SGE	20 07 44.152	+20 45 55.27		+0.0038	+0.103	6.48	2	6.86	2	6.82	2	DF1		88276	D	
4140	4 SGR	17 56 44.290	-23 48 48.01		+0.0002	-0.043	4.75	2	4.70	2	4.67	2	A0		186061		
4141	5 SGR	17 57 07.511	-24 16 54.82		+0.0022	-0.033	6.72	4					K0	4	186074		
4142	6 SGR	17 58 28.705	-17 09 24.26		+0.0000	-0.007	6.31		5.870				K3III		160998		
4143	7 SGR	17 59 47.164	-24 17 01.48		+0.0004	-0.009	5.35						F5II		186163		
4144	9 SGR	18 00 48.403	-24 21 48.67		+0.0002	+0.002	5.97	2	5.97	2	5.08	2	O5		186204		
4145	11 SGR	18 08 40.200	-23 42 47.18		+0.0013	-0.020	5.13						GK0		186437	D	
4146	14 SGR	18 11 15.616	-21 43 42.03		-0.0006	-0.023	5.73						GK3		186509		
4147	15 SGR	18 12 13.877	-20 44 41.67		+0.0002	+0.002	5.38	2	5.45	2	4.58	2	B0IA		186543		
4148	16 SGR	18 12 14.367	-20 24 16.63		-0.0002	+0.000	5.98	2	6.02	2	5.14	2	O9II		186544	D	
4149	17 SGR	18 13 36.586	-20 33 45.94		+0.0009	-0.015	7.07	4					G5+A5		186575		
4150	18 SGR	18 21 48.571	-30 47 02.25		-0.0095	-0.071	5.60	2	6.74	2			K0III-IV		210116		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G II
4151	21	SGR	18 22 22.292	-20 34 12.90	+0.0004	-0.026	4.81	2	6.11	2	7.04	2	K2II		186794	n	
4152	24	SGR	18 30 50.200	-24 04 17.25	+0.0002	-0.010	5.71						CK4		186991		
4153	25	SGR	18 31 29.212	-24 15 44.42	+0.0001	-0.001	6.39						CF3		186905		
4154	26	SGR	18 38 48.639	-23 52 54.27	+0.0024	-0.024	6.14						A M		187146		
4155	26	SGR	18 43 19.678	-22 26 46.86	+0.0022	+0.000	5.80						GK4		187255	D	
4156	29	SGR	18 46 42.092	-20 22 59.81	+0.0003	+0.036	5.37						GK4		187324	DV?	
4157	30	SGR	18 47 50.126	-22 13 16.17	-0.0017	-0.030	6.24						A7III		187342	D	
4158	31	SGR	18 49 08.140	-21 58 54.68	+0.0027	-0.043	6.66	4					A2	4	187381		
4159	33	SGR	18 51 00.802	-21 25 21.85	+0.0005	-0.015	5.75						CK0		187422		
4160	50	SGR	19 23 20.271	-21 52 38.41	+0.0024	+0.000	5.59	2	6.81	2			GK3		188121		
4161	53	SGR	19 36 49.241	-23 32 34.90	+0.0001	-0.031	6.24						A0		188407	D	
4162	54	SGR	19 37 51.562	-16 24 33.95	+0.0047	-0.045	5.45						K2III		162883	n	
4163	57	SGR	19 49 17.736	-19 10 24.73	-0.0000	-0.057	5.99						GG5		163060		
4164	63	SGR	19 59 10.586	-13 46 37.65	+0.0024	+0.018	5.76						A2		163195		
4165	64	SGR	20 02 19.794	-11 44 32.17	-0.0003	-0.012	6.46						GF4		163245		131
4166	65	SGR	20 02 39.592	-12 48 28.62	+0.0004	-0.049	6.41						A0		163253		
4167	60	SGR	19 55 54.576	-26 19 57.29	+0.0027	+0.034	4.82	2	5.71	2	6.25	2	GG5		188778		
4168	59	SGR	19 53 52.875	-27 18 14.61	+0.0007	-0.012	4.50	2	5.96	2	7.52	2	GK3		188742		
4169	62	SGR	19 59 35.183	-27 51 01.64	+0.0029	+0.019	4.590	1	6.240	1	8.050	1	M4III		188844	V	
4170	43	SGR	19 14 42.594	-19 02 37.10	-0.0008	-0.015	5.03						G8II		162413		
4171	55	SGR	19 39 39.567	-16 14 33.95	+0.0044	-0.010	5.06	2	5.39	2			F0II		162915		
4172	56	SGR	19 43 26.803	-19 52 58.53	-0.0093	-0.087	5.06						K1III		162964		
4173	61	SGR	19 55 06.936	-15 37 32.32	+0.0009	-0.098	5.05						A2IV		163141		
4174	51	SGR	19 32 59.600	-24 49 49.11	+0.0009	-0.022	5.67	2	5.86	2			A M		188326	V?	
4175	52	SGR	19 33 39.969	-24 59 44.24	+0.0052	-0.018	4.60	2	4.54	2	4.39	2	B9		188337	D	
4176		SGR	19 13 45.779	-19 23 49.00	+0.0005	+0.019	6.7	4					M5E	4	162394	V	
4177		SGR	18 28 56.533	-19 09 42.32	-0.0007	-0.000	6.340	1	7.300	1	7.880	1	CF5		161571	V	
4178		SGR	18 28 27.642	-18 17 55.95	-0.0006	-0.001	8.2	6					F0	6	161563	V	
4179		SGR	18 01 49.519	-29 35 03.04	+0.0011	-0.001	4.30		5.100				F8P		186237	DV	
4180	3	SGR	17 44 24.664	-27 48 49.14	+0.0001	-0.009	4.20		4.900				F8		195755	V	
4181		SGR	18 18 26.491	-18 53 02.76	+0.0007	-0.010	5.40		6.200				F5P		161376	V	
4182	AO	SGR	18 09 01.504	-29 52 21.01	+0.0024	+0.012	9.0	6					M3	6	186452	V	
4183	AP	SGR	18 10 00.173	-23 07 52.47	-0.0005	-0.006	6.7	4					F5	4	186478	V	
4184	AQ	SGR	19 31 27.098	-16 29 02.23	-0.0009	+0.010	8.5	6					N8	6	162777	V	
4185	AR	SGR	18 56 39.868	-23 46 37.43	+0.0014	+0.008	9.3	6					G4	6	187547	V	
4186	BB	SGR	18 48 01.973	-20 21 18.67	+0.0011	-0.028	7.6	4					G0	4	187349	V	
4187	BN	SGR	17 43 55.938	-28 07 54.94	-0.0007	-0.030	9.0	6					F5	6	185745	V	
4188	BQ	SGR	19 10 54.394	-36 19 51.43	-0.0014	-0.005	9.5	7					A2	6	211072	V	
4189	RS	SGR	18 14 17.236	-34 07 35.38	-0.0011	-0.009	6.1						B5+A2		269959	DV	
4190	RU	SGR	19 55 16.833	-41 59 07.80	-0.0009	-0.122	6.8	4					M4E	4	229959	V	
4191	RW	SGR	19 10 59.089	-18 56 53.19	-0.0000	-0.008	9.2	6					M4	6	162339	V	
4192	RY	SGR	19 13 16.933	-33 36 40.91	+0.0010	+0.025	6.1						F P		211117	V	
4193	SU	SGR	19 00 43.065	-22 47 10.47	+0.0003	-0.008	8.8	6					M7	6	187624	V	
4194	SX	SGR	18 42 52.926	-30 32 33.83	+0.0009	-0.002	9.6	7					A2	6	210550	V	
4195	SY	SGR	18 07 51.217	-23 42 15.39	-0.0004	-0.021	9.4	6					F8	6	186416	V	
4196	SZ	SGR	17 42 00.165	-18 38 13.99	-0.0006	-0.008	8.6	6					N3	6	160795	V	
4197	UW	SGR	19 43 32.556	-18 16 30.22	+0.0005	-0.024	8.8	6					N0	6	162965	V	
4198	UX	SGR	18 52 01.462	-16 35 22.66	+0.0008	-0.011	8.5	6					M3	6	161972	V	
4199	WZ	SGR	18 14 02.894	-19 05 41.16	+0.0017	-0.011	8.2	6					G3-K6	7	161257	V	
4200	XX	SGR	18 21 50.642	-16 49 31.58	+0.0001	-0.002	9.0	6					G5	6	161444	V	

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TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4201	XZ SGR	16 19 01.726	-25 15 53.02		+0.0020	-0.024	8.8	6					A2	6	186718	V	
4202	YZ SGR	18 46 35.107	-16 46 51.54		-0.0018	-0.009	7.6	6					G0-G7	7	181870	V	
4203	V 350 SGR	18 42 19.087	-20 42 00.89		+0.0061	-0.012	8.1	5					F5-G4	7	187233	V	
4204	V 353 SGR	19 08 59.273	-19 46 28.87		-0.0023	-0.007	9.2	6					M0	6	162207	V	
4205	V 356 SGR	18 44 54.357	-20 19 49.29		+0.0006	-0.003	6.87	4					H3V?+A2II	7	187294	V	
4206	V 505 SGR	19 50 17.153	-14 43 57.84		-0.0005	-0.042	6.5						A1V+F6?	7	163080	V	
4207	V 523 SGR	18 59 44.851	-29 12 58.32		-0.0014	-0.028	9.2	6					A5	6	187605	V	
4208	V 525 SGR	19 04 02.445	-30 14 19.31		+0.0026	+0.041	7.9	7					A2	6	210944	V	
4209	V 526 SGR	19 05 02.231	-31 25 40.77		+0.0034	+0.050	9.7	7					A0	6	210970	V	
4210	V 540 SGR	17 56 42.079	-35 55 32.98		+0.0014	-0.036	9.4	7					MA	6	209570	V	
4211	V 771 SGR	17 50 23.857	-24 45 52.30		+0.0020	-0.002	8.7	6					B0	6	185800	V	
4212	V 777 SGR	17 43 18.802	-26 10 55.05		+0.0004	-0.017	8.3	6					K2	6	185724	V	
4213	V1647 SGR	17 55 49.486	-36 56 08.05		+0.0025	-0.006	6.8	6					A0	6	209552	V	
4214	V1942 SGR	19 16 17.824	-16 00 03.03		+0.0019	+0.003	7.2	6					N0	6	162465	V	
4215	V1943 SGR	20 03 51.926	-27 22 09.20		+0.0026	-0.063	7.8	6					MA	6	188923	V	
4216	V2349 SGR	18 25 31.381	-16 44 02.08		-0.0001	+0.003	9.0	6					B0	6	161502	V	
4217	V2509 SGR	18 12 28.406	-35 39 16.24		+0.0012	-0.040	7.2	6					A0	6	209923	V	
4218	V2617 SGR	19 52 18.388	-24 06 10.64		+0.0024	+0.004	9.4	6					A0	6	188715	V	
4219	V3508 SGR	18 28 27.371	-19 11 41.00		-0.0006	+0.024	8.3	6	8.65	7	8.44	7	B6IIIE	7	161562	V	
4220	V3790 SGR	19 30 28.164	-16 43 06.33		+0.0013	-0.019	7.4	6					M2	6	162748	V	
4221	V3792 SGR	18 05 48.460	-25 28 53.84		+0.0003	+0.017	6.27						B8	6	186350	V	
4222	V3872 SGR	= 62 -C SGR															
4223	ALP SGR	19 20 25.492	-40 42 43.10		+0.0026	-0.121	3.97	2	3.87	2	3.54	2	B9III		229659		
4224	BET- 1A SGR	19 19 02.816	-44 33 17.72		+0.0006	-0.018	4.009	2	3.929	2	3.609	2	B8V		229646	D	134
4225	BET- 1B SGR	19 19 05.399	-44 33 10.21		+0.0006	-0.005	7.928	2	7.848	2	7.528	2	A3		229647	D	135
4226	BET- 2 SGR	19 19 36.611	-44 53 44.93		+0.0091	-0.052	4.29	2	4.63	2	4.70	2	DF1		229654		
4227	10 GAM SGR	18 02 35.678	-30 25 35.80		-0.0041	-0.185	2.990	1	4.000	1	4.770	1	K0III		209696	V?	
4228	19 DEL SGR	18 17 47.554	-29 51 04.68		+0.0030	-0.029	2.700	1	4.080	1	5.630	1	K2III		186681	D	
4229	20 EPS SGR	18 20 51.188	-34 24 36.94		-0.0026	-0.125	1.850	1	1.820	1	1.690	1	B9IV		210001	D	
4230	38 ZET SGR	18 59 25.892	-29 57 12.79		-0.0011	-0.001	2.590	1	2.670	1	2.720	1	A2III		187600	D	
4231	ETA SGR	18 14 14.573	-36 46 43.49		-0.0107	-0.166	3.110	1	4.670	1	6.370	1	M3II		209957	D	
4232	THE- 1 SGR	19 56 29.133	-35 24 47.51		+0.0006	-0.024	4.36	2	4.21	2	3.54	2	B3IV		211716		
4233	THE- 2 SGR	19 56 36.763	-34 50 03.17		+0.0081	-0.074	5.34						A M?		211717	D	
4234	IUT SGR	19 51 48.997	-42 00 05.48		+0.0013	+0.056	4.125	1	5.210	1	6.025	1	K0III		229927		
4235	KAP- 1 SGR	20 19 04.166	-42 12 31.95		+0.0032	-0.091	5.59	2	5.59	2	5.59	2	A0V		230177	D	
4236	KAP- 2 SGR	20 20 29.579	-42 35 06.24		+0.0000	+0.025	5.64	2	5.84	2	5.94	2	A3		230184	D	
4237	22 LAM SGR	18 24 53.059	-25 27 04.18		-0.0032	-0.185	2.810	1	3.850	1	4.750	1	K2III		186841		
4238	13 MU SGR	18 10 46.324	-21 04 25.46		+0.0002	+0.001	3.850	1	4.070	1	3.600	1	B8IAP		186497	DV	
4239	32 NU - 1 SGR	18 51 09.064	-22 48 29.54		+0.0007	-0.010	4.83	2	6.23	2	7.51	2	CK2		187426	D	
4240	35 NU - 2 SGR	18 52 05.766	-22 44 08.19		+0.0074	-0.026	4.98	2	6.30	2	7.80	2	K3P		187445		
4241	36 XI - 1 SGR	18 54 22.208	-20 43 24.44		-0.0001	-0.007	5.06						A1P?		187498		
4242	37 XI - 2 SGR	18 54 44.830	-21 10 26.87		+0.0023	-0.012	3.510	1	4.690	1	5.820	1	K1III		187504		
4243	39 OMI SGR	19 01 41.245	-21 48 59.52		+0.0057	-0.060	3.770	1	4.770	1	5.630	1	GG8		187643	D	
4244	41 PI SGR	19 06 47.450	-21 06 17.49		-0.0000	-0.035	2.890	1	3.240	1	3.460	1	F2II-III		187756	D	
4245	44 RHO- 1 SGR	19 18 46.401	-17 56 34.67		+0.0018	+0.024	3.930	1	4.150	1	4.290	1	F0IV		162512		
4246	45 RHO- 2 SGR	19 18 55.912	-18 24 10.03		+0.0070	-0.092	6.02						GG9		162521		
4247	34 SIG SGR	18 52 09.927	-26 21 38.29		+0.0010	-0.054	2.030	1	1.810	1	1.060	1	B2V		187448		
4248	40 TAU SGR	19 03 49.160	-27 44 43.14		-0.0040	-0.249	3.310	1	4.510	1	5.650	1	K1III		187643		
4249	46 UPS SGR	19 18 51.834	-16 03 01.82		+0.0000	-0.006	4.61	2	4.71	2	4.18	2	A PEP		162518	V	
4250	27 PHI SGR	18 42 31.962	-27 02 38.48		+0.0040	+0.001	3.160	1	3.050	1	2.690	1	B8III		187219		

TABLE 3 CONTINUED
 STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C T. NO.	STAR PROP.	1
4251	47 CHI- 1	SGR 19 22 14.012	-24 36 26.63	L	+0.0041	-0.054	5.03	2	5.26	2			DA5		1A8101	V	13A
4252	49 CHI- 2	SGR 19 22 28.169	-24 03 43.16		-0.0010	-0.004	5.56						GK4		1A8105	V	
4253	42 PSI	SGR 19 12 28.542	-25 20 40.58		+0.0034	-0.025	4.83	2	5.38	2	5.70	2	DF5		1A78A2	V	
4254	58 OME	SGR 19 52 46.744	-26 26 01.47		+0.0155	+0.083	4.700	1	5.450	1	5.770	1	DG5		1A8722	V	
4255	3	SCO 15 51 39.067	-25 05 49.31		-0.0009	-0.025	5.88		5.820				B7IV?		1A3914	V	
4256	4	SCO 15 52 28.423	-26 07 12.41		-0.0033	-0.024	5.61						A3		1A3931	V	
4257	11	SCO 16 04 49.538	-12 36 44.95		-0.0033	-0.033	5.64						A0		1A9715	V	
4258	16	SCO 16 09 24.502	-08 25 11.52		+0.0026	-0.001	5.49						A3		1A1024	V	
4259	18	SCO 16 12 53.968	-08 14 19.23		+0.0154	-0.505	5.49	2	6.14	2	6.31	2	DG1		141066	UV?	
4260	24	SCO 16 38 40.639	-17 38 49.50		-0.0016	-0.004	5.04						G8II		160046	V	
4261	25	SCO 16 43 47.404	-25 26 21.43		-0.0003	-0.016	6.57						GG6		1A4630	V	
4262	27	SCO 16 53 55.283	-33 10 55.16		-0.0006	-0.006	5.48	2	7.07	2			K5		2A8232	V	
4263	2	SCO 15 50 36.264	-25 10 45.87		-0.0011	-0.028	4.590	1	4.530	1	3.860	1	B2.5VN		1A3896	V	
4264	1	SCO 15 47 57.944	-25 36 02.98		-0.0013	-0.027	4.680	1	4.620	1	3.890	1	B2.5VN		1A3854	V	
4265	12	SCO 16 09 10.231	-28 17 20.33		-0.0023	-0.046	5.69	2	5.71	2			B9V		1A4217	UV?	
4266	13	SCO 16 09 13.074	-27 47 53.94		-0.0009	-0.028	4.590	1	4.430	1	3.690	1	B2.5VN		1A4221	V	
4267		SCO 16 15 11.495	-28 29 29.28		-0.0022	-0.106	4.77	2	4.79	2	4.78	2	A0V		1A4301	V	
4268	6	SCO 17 46 27.172	-37 01 45.62		+0.0045	+0.034	3.190	1	4.360	1	5.540	1	K1III		2A931A	V	
4269		SCO 16 33 04.723	-35 09 16.05		+0.0018	-0.002	4.16	2	5.73	2	7.67	2	GK6		2A7814	V?	
4270	22	SCO 16 27 09.899	-25 00 24.44		-0.0005	-0.024	4.790	1	4.720	1	3.930	1	B2V		1A4429	V	
4271	N	SCO 16 28 06.546	-34 35 50.07		-0.0008	-0.017	4.230	1	4.070	1	3.270	1	B2IV		2A7732	V	
4272	Q	SCO 17 33 06.013	-38 36 07.37		-0.0011	-0.201	4.29	2	5.38	2	6.28	2	GK0		2A9019	V	
4273	AH	SCO 17 08 01.980	-32 15 52.60		-0.0025	-0.037	8.1	7					MD	6	2A8506	V	
4274	AK	SCO 16 51 23.121	-36 48 28.55		-0.0018	-0.046	8.8	7					G0	6	2A8174	V	
4275	AX	SCO 16 38 43.893	-27 00 37.01		-0.0016	-0.009	8.6	6					M5	6	1A4551	V	
4276	BM	SCO 17 37 42.757	-32 11 21.15		-0.0011	+0.001	7.0	4					K0	4	2A9132	V	
4277	BR	SCO 16 10 28.866	-10 12 40.51		-0.0019	+0.026	8.8	6					MB	6	1597A5	V	
4278	FV	SCO 17 10 28.991	-32 47 42.14		-0.0009	-0.033	7.9	7					B9	6	2A8558	V	
4279	RR	SCO 16 53 26.307	-30 30 08.28		+0.0007	-0.023	5.5	4					M6E	4	2A8221	V	
4280	RS	SCO 16 51 59.822	-45 01 22.90		+0.0047	-0.029	6.5	4					M6E	4	227442	V	
4281	KV	SCO 16 55 03.271	-33 31 59.70		-0.0001	-0.024	6.7	4	7.46	7			F5	4	2A8246	UV	
4282	RY	SCO 17 47 34.128	-33 41 31.50		+0.0022	+0.025	7.5	4	8.70	7			G5	4	2A9340	UV	
4283	SS	SCO 16 52 00.589	-32 33 03.43		-0.0005	-0.011	10.	7					K2	7	2A8188	V	
4284	SU	SCO 16 37 25.273	-32 17 01.11		+0.0021	+0.011	11.7	7					N0	7	2A7911	V	
4285	SX	SCO 17 44 06.488	-35 41 03.62		-0.0021	-0.031	10.5	7					NB	6	2A9256	V	
4286	TT	SCO 17 36 57.627	-41 36 16.56		+0.0023	-0.009	9.0	4					N3	4	228265	V	
4287	TX	SCO 17 51 55.891	-34 13 39.66		-0.0015	-0.007	7.7	5					A2N	7	2A9460	V	
4288	V 360	SCO 16 52 56.860	-30 14 24.62		-0.0007	-0.041	9.5	7					MA	6	2A8209	V	
4289	V 393	SCO 17 45 27.029	-35 02 28.83		+0.0010	-0.002	7.42	5					B9	7	2A9291	V	
4290	V 449	SCO 17 33 43.201	-32 05 53.23		+0.0006	-0.035	6.91	4					A2V	7	2A9028	V	
4291	V 453	SCO 17 52 59.761	-32 28 06.52		+0.0005	-0.002	6.62	4					B0SE	7	2A9489	V	
4292	V 482	SCO 17 27 30.546	-33 34 19.91		-0.0022	+0.039	8.45	7	9.27	7			F5	6	2A8899	V	
4293	V 499	SCO 17 25 45.613	-32 57 54.90		+0.0002	-0.021	8.2	6					B5	6	2A8865	V	
4294	V 500	SCO 17 45 24.463	-30 27 35.53		-0.0001	+0.034	9.54	7	10.69	7			K0	6	2A9288	V	
4295	V 607	SCO 17 02 56.050	-35 53 58.14		-0.0004	-0.004	10.2	7					B8	6	2A8404	V	
4296	V 636	SCO 17 19 05.452	-45 34 01.06		-0.0004	-0.002	6.76	4	7.54	7			G5	4	227880	V	
4297	V 701	SCO 17 31 08.431	-32 28 17.53		-0.0004	-0.012	8.2	7					B5	6	2A8972	V	
4298	V 703	SCO 17 39 00.577	-32 29 59.96		+0.0020	+0.009	7.2	5	7.56	7			F0	7	2A9160	V	
4299	V 718	SCO 16 10 13.306	-22 21 28.89		-0.0011	-0.003	8.5	6					A2	6	1A4232	V	
4300	V 727	SCO 17 12 14.939	-33 02 56.39		-0.0021	-0.063	7.9	6					MA	6	2A8593	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4301	V 760 SCO	16 21 27.670	-34 46 45.73		+0.0016	-0.024	7.1	6					B8	6	207641	V	
4302	V 764 SCO	17 52 27.507	-45 08 55.87		-0.0000	-0.029	8.8	6					A2	6	228555	V	
4303	V 856 SCO	16 05 13.026	-38 57 38.55		-0.0024	-0.037	6.71						A0	6	207368	DV	
4304	V 861 SCO	16 53 06.857	-40 44 43.52		+0.0004	-0.010	6.11	2	6.38	2			B0IAP?		227473	V	
4305	V 862 SCO	17 36 45.416	-32 10 28.89		+0.0008	-0.003	6.86						B NE-B8	7	209105	V	137
4306	21 ALP SCO	16 26 20.206	-26 19 21.95		-0.0005	-0.023	.910	1	2.750	1	4.080	1	M1IB		184415	DV	
4307	8 BET- 1 SCO	16 02 31.507	-19 40 12.45		-0.0004	-0.021	2.714	1	2.628	1	1.774	1	B0.5V		159642	DV?	138
4308	8 BET- 2 SCO	16 02 31.857	-19 40 00.07		-0.0014	-0.023	5.004	1	4.978	1	4.064	1	B2V		1596A3	DV?	139
4309	GAM SCO	= 20 SIG LIB															
4310	7 DEL SCO	15 57 22.318	-22 28 51.37		-0.0007	-0.025	2.320	1	2.200	1	1.300	1	B0V		184014		
4311	26 EPS SCO	16 46 55.206	-34 12 15.56		-0.0492	-0.255	2.290	1	3.450	1	4.610	1	K2III-IV		208078	V?	
4312	ZET- 1 SCO	16 50 27.727	-42 16 51.19		+0.0003	-0.005	4.80		5.240				B1IAE		227375	V?	
4313	ZET- 2 SCO	16 51 03.544	-42 16 39.85		-0.0113	-0.236	3.590	1	4.950	1	6.560	1	K5III		227402		
4314	ETA SCO	17 08 34.015	-43 10 31.10		+0.0021	-0.285	3.340	1	3.740	1	3.830	1	F0IVN		227707		
4315	THE SCO	17 33 43.371	-42 58 05.15		+0.0015	-0.000	1.870	1	2.270	1	2.490	1	F0IB		228201		
4316	IOT- 1 SCO	17 44 05.100	-40 06 34.94		+0.0001	-0.006	3.020	1	3.530	1	3.770	1	F2IA		228420	D	
4317	IOT- 2 SCO	17 46 41.171	-40 04 35.09		+0.0006	-0.008	4.81	2	5.07	2	5.07	2	CA3		228466	D	
4318	KAP SCO	17 39 01.548	-39 00 22.76		-0.0006	-0.029	2.410	1	2.200	1	1.320	1	B2IV		209163	V	
4319	35 LAM SCO	17 30 12.626	-37 04 09.63		+0.0001	-0.029	1.630	1	1.410	1	0.520	1	B1V		208954	V	
4320	MU - 1 SCO	16 48 28.679	-37 57 48.92		-0.0010	-0.029	3.030	1	2.810	1	1.930	1	B1.5V		208102	DV	
4321	MU - 2 SCO	16 48 56.599	-37 56 03.17		-0.0009	-0.025	3.570	1	3.360	1	2.520	1	B2IV		208116	D	
4322	14 NU - 1 SCO	16 09 03.949	-19 19 17.45		-0.0008	-0.012	4.00	2	4.05	2	3.43	2	A0IV		159763	D	
4323	14 NU - 2 SCO	16 09 05.091	-19 19 56.20		-0.0008	-0.026	4.010	1	4.040	1	3.400	1	B2IV-V		159764	D	
4324	XI - 1 SCO	16 01 36.889	-11 14 12.28		-0.0043	-0.033	4.17	2	4.64	2	4.65	2	F5IV+F5IV		159665	D	140
4325	XI - 2 SCO	16 01 37.342	-11 14 08.07		-0.0047	-0.018	7.2						DG7		159666	D	
4326	19 OMI SCO	16 17 37.370	-24 03 02.03		-0.0002	-0.026	4.570	1	5.410	1	6.070	1	ASIII		184329		
4327	6 PI SCO	15 55 49.301	-25 58 18.14		-0.0007	-0.027	2.910	1	2.710	1	1.820	1	B1V		183987	DV?	
4328	5 RHO SCO	15 53 47.507	-29 04 10.42		-0.0006	-0.021	3.860	1	3.660	1	2.840	1	B2V		183957	D	
4329	20 SIG SCO	16 18 08.667	-25 28 28.14		-0.0007	-0.023	2.880	1	3.010	1	2.320	1	B1III		184336	DV	
4330	23 TAU SCO	16 32 45.906	-28 06 50.56		-0.0006	-0.025	2.810	1	2.560	1	1.550	1	B0V		184481		
4331	34 UPS SCO	17 27 21.662	-37 15 28.57		-0.0001	-0.032	2.680	1	2.450	1	1.640	1	B3IB		208896		
4332	17 CHI SCO	16 11 04.686	-11 42 41.93		-0.0009	-0.010	5.50						K3III		159793		
4333	15 PSI SCO	16 09 15.770	-09 56 10.17		-0.0006	-0.017	4.93	2	5.02	2	5.12	2	A2V		141022		
4334	9 OME - 1 SCO	16 03 52.659	-20 32 07.11		-0.0007	-0.024	3.955	1	3.912	1	3.092	1	B1V		184123		
4335	10 OME - 2 SCO	16 04 28.091	-20 44 06.53		+0.0029	-0.041	4.33	2	5.17	2	5.68	2	GG2		184135	V?	
4336	R SCL	01 24 40.020	-32 48 06.81		-0.0011	-0.026	5.77	2	9.60	2			N3		103122	V	
4337	S SCL	00 12 51.106	-32 19 22.52		+0.0069	+0.019	6.3	4					M6E	4	192424	V	
4338	Y SCL	23 06 22.988	-30 24 17.77		+0.0002	+0.021	8.7	7					MB	6	214344	V	
4339	Z SCL	00 37 30.364	-34 14 04.19		+0.0267	-0.111	6.3						F8		192663	V	
4340	AA SCL	00 34 01.187	-30 36 31.73		-0.0002	+0.006	8.6	6	10.19	7	11.88	7	MB	6	192633	V	
4341	AB SCL	00 42 04.655	-33 55 37.34		-0.0029	+0.050	8.7	6	10.34	7	12.32	7	MA	6	192707	V	
4342	AC SCL	00 53 52.554	-25 49 26.76		+0.0003	-0.031	7.7	6	9.30	7	11.18	7	M2	6	166692	V	
4343	AF SCL	23 04 43.275	-25 51 58.97		+0.0027	-0.014	8.5	6	10.04	7	11.48	7	M4III	7	191666	V	
4344	AG SCL	23 05 25.021	-35 53 24.89		-0.0035	+0.032	9.2	6	10.76	7	12.32	7	MB	6	214335	V	
4345	AH SCL	23 25 47.971	-31 40 41.74		-0.0038	-0.004	9.2	6	10.78	7	12.62	7	MB	6	214568	V	
4346	RT SCL	00 33 59.099	-25 56 55.09		-0.0014	+0.055	9.4	6					A7	6	166406	V	
4347	RU SCL	00 00 14.336	-25 13 24.61		+0.0034	-0.007	9.2	6	9.28	7			A0	6	166011	V	
4348	SW SCL	00 03 41.224	-33 05 40.72		+0.0002	-0.014	7.3	6					MD	6	192357	V	
4349	VV SCL	01 13 47.545	-34 24 45.78		-0.0001	-0.022	7.93	4					ASP	7	193014	V	
4350	WZ SCL	01 26 26.505	-34 01 18.02		-0.0047	-0.020	6.62	4					A3	6	193136	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S M	SAO C.T.NO.	STAR PROP.	G N
4351	XX	SCL	01 27 08.974	-33 34 43.52		+0.0022	-0.040	8.9	6				F0	6	143142	V	
4352	YY	SCL	00 05 56.348	-26 15 23.89		+0.0002	+0.008	8.1	6	9.68	7	11.28	M0	6	166074	V	
4353	YZ	SCL	00 26 00.026	-35 59 43.72		+0.0029	+0.027	8.4	6	9.96	7	11.34	MA	6	192550	V	
4354	ZZ	SCL	00 33 20.929	-25 09 11.15		+0.0009	+0.018	8.1	6	9.75	7	11.51	M3	6	166393	V	
4355	ALP	SCL	00 56 11.882	-29 37 38.43		+0.0013	+0.005	4.270	1	4.090	1	3.520	B8III		166716		
4356	BET	SCL	23 30 17.688	-38 05 42.35		+0.0073	+0.020	4.37	2	4.28	2	3.92	A P		214615		
4357	GAM	SCL	23 16 07.705	-32 48 16.84		+0.0017	-0.064	4.410	1	5.540	1	6.600	G8III		214444		
4358	DEL	SCL	23 46 19.467	-28 24 24.70		+0.0080	-0.101	4.570	1	4.570	1	4.560	A0V		192167	D	
4359	EPS	SCL	01 43 18.256	-25 18 06.64		+0.0117	-0.056	5.31	2	5.70	2		F1V		167275	D	
4360	ZET	SCL	23 59 46.260	-29 59 57.06	N	+0.0008	+0.004	5.000	1	4.840	1	4.270	B4III			D	141
4361	ETA	SCL	00 25 27.101	-33 16 58.98		-0.0014	-0.045	4.810	1	6.450	1	8.260	GM4		192545	V	
4362	THE	SCL	00 09 11.681	-35 24 46.45		+0.0135	+0.126	5.25	2	5.69	2		F4V		192388		
4363	IOT	SCL	00 19 00.611	-29 15 28.37		+0.0030	-0.069	5.18	2	6.18	2		GG8		166207		
4364	KAP- 1	SCL	00 06 48.219	-28 15 57.79		+0.0054	-0.001	5.40		5.820			DF2		166083	D	
4365	KAP- 2	SCL	00 09 02.232	-28 04 41.40		+0.0009	+0.020	5.56					K5III		166103		
4366	LAM- 1	SCL	00 40 18.717	-38 44 13.64		-0.0000	+0.000	6.06	2	6.03	2		A0V		192600	D	
4367	LAM- 2	SCL	00 41 47.213	-38 41 48.74		+0.0203	+0.121	5.97					GK0		192703		
4368	MU	SCL	23 38 00.943	-32 20 58.98		-0.0073	-0.050	5.31	2	6.28	2		K0III		214701	V?	
4369	XI	SCL	00 58 58.321	-39 11 09.90		+0.0070	+0.058	5.59	2	6.77	2		GK0		192870		
4370	PI	SCL	01 39 53.210	-32 34 42.49		-0.0059	-0.022	5.28					GK0		193263		
4371	SIG	SCL	01 00 03.237	-31 49 14.89		+0.0060	+0.017	5.50	2	5.58	2		A2V		192884		
4372	TAU	SCL	01 33 49.831	-30 09 46.15		+0.0075	+0.045	5.69	2	6.02	2		DF4		193201	D	
4373	R	SCT	18 44 48.745	-05 45 37.40		-0.0030	-0.028	5.20	2	6.67	2	8.30	G0IAE		142620	V	
4374	S	SCT	18 47 37.090	-07 57 59.35		-0.0000	+0.002	7.0					C5-4		142674	DV	
4375	Z	SCT	18 40 16.750	-05 52 15.90		+0.0000	+0.016	9.3	6	10.36	7		G0	6	142532	V	
4376	ER	SCT	18 40 01.217	-07 44 32.64		-0.0004	+0.012	9.0	6				A0	6	142528	V	
4377	EW	SCT	18 35 09.418	-06 50 27.71		+0.0004	+0.001	8.2	6				K0	6	142447	V	
4378	RR	SCT	18 38 17.186	-04 07 56.14		-0.0001	+0.010	8.8	6				B8	6	142404	V	
4379	RS	SCT	18 46 25.718	-10 17 56.27		+0.0020	-0.025	9.0	6				G0	6	161860	V	
4380	RW	SCT	18 53 45.556	-10 35 28.79		+0.0020	+0.015	8.8	6				M5	6	162009	V	
4381	RY	SCT	18 22 42.706	-12 43 09.24		-0.0011	+0.005	8.8	6				PEC	6	161458	V	
4382	RZ	SCT	18 23 48.968	-09 13 56.04		+0.0008	-0.005	7.9	6				B3IB	7	142317	V	
4383	SS	SCT	18 41 00.748	-07 46 56.37		-0.0013	-0.006	8.3	6	9.12	7		F8P	6	142552	V	
4384	V 369	SCT	18 48 35.844	-06 24 47.12		+0.0007	-0.019	9.0	6	9.50	7	9.70	F8III	7	142702	V	
4385	ALP	SCT	18 32 29.108	-08 16 50.47		-0.0013	-0.312	3.830	1	5.170	1	6.700	K3III		142408	V?	
4386	BET	SCT	18 44 31.239	-04 48 10.73		-0.0005	-0.017	4.22	2	5.31	2	6.15	G5II		142618		
4387	GAM	SCT	18 26 20.804	-14 35 58.05		+0.0001	-0.005	4.71	2	4.78	2	4.82	A3V		161520		
4388	DEL	SCT	18 39 32.109	-09 06 07.26		+0.0004	+0.001	4.72	2	5.07	2	5.23	F3III-IV		142515	DV	
4389	EPS	SCT	18 40 47.819	-08 19 34.55		+0.0014	+0.007	4.89	2	6.01	2		G8II		142546	D	
4390	ZET	SCT	18 20 55.131	-08 57 43.03		+0.0028	+0.044	4.68	2	5.62	2	6.34	K0III		142267		
4391	ETA	SCT	18 54 23.005	-05 54 45.78		+0.0042	-0.036	4.80	2	6.60	2	7.62	K2III		142838		
4392	2	SCP	14 59 15.090	+00 03 22.02		+0.0004	-0.027	5.76					GM2		120798	D	142
4393	3	SCP	15 12 42.056	+05 07 25.66		-0.0012	+0.001	5.31					GK0		120916		
4394	4	SCP	15 13 16.070	+00 33 21.52		-0.0073	+0.013	5.63	2	5.81	2	5.90	A3		120920		
4395	5	SCP	15 16 45.435	+01 57 11.93		+0.0247	-0.518	5.06	2	5.60	2	5.66	F8IV-V		120946	D	
4396	6	SCP	15 18 29.065	+00 53 45.38		-0.0030	-0.109	5.35	2	6.54	2	7.76	K3III		120955	D	
4397	7	SCP	15 20 01.034	+12 44 43.06		-0.0002	-0.011	6.11		6.080			B9.5V		101508		
4398	8	SCP	15 21 08.845	-00 50 43.12		+0.0049	-0.033	6.12	2	6.38	2	6.43	F0V		140502		
4399	10	SCP	15 26 06.505	+02 00 51.98		-0.0058	-0.042	5.09					A5		121020		
4400	14	SCP	15 33 59.546	-00 23 48.98		-0.0020	-0.024	6.51					DF5		140643		

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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4401	16 SCP	15 34 05.279	+10 10 33.99		+0.0029	-0.132	5.26						K0P		101640		143
4402	30 SCP	15 46 19.438	-03 39 59.75		-0.0024	+0.006	5.53	2	5.65	2	5.76	2	A M		140775		
4403	39 SCP	15 50 52.213	+13 21 07.17		-0.0104	-0.559	6.10	2	6.70	2	6.70	2	G2V		101792		
4404	40 SCP	15 52 15.147	+08 43 34.59		-0.0001	-0.002	6.29	2	6.47	2	6.56	2	A2		121254		
4405	43 SCP	16 01 17.164	+05 07 23.03		-0.0029	+0.010	6.01						G9III		121339	D	
4406	45 SCP	16 05 14.163	+10 01 27.17		-0.0013	-0.011	5.63						A5		101939		
4407	46 SCP	16 05 42.574	+10 12 45.94		-0.0021	-0.029	6.67	4					A3	4	101947		
4408	47 SCP	16 06 03.226	+08 39 57.00		-0.0013	-0.012	5.69						GM3		121383	V?	
4409	49 SCP	16 10 58.381	+13 39 35.12		+0.0122	-0.412	6.84	4					K0	4	102018	D	144
4410	11 A- 1	15 30 23.214	-01 01 04.38		-0.0009	-0.039	5.76						GG9		140596		
4411	25 A- 2	15 43 30.243	-01 38 56.29		-0.0020	-0.040	5.39	2	5.36	2	4.96	2	B8		140740		
4412	36 -B	15 48 39.134	-02 56 25.99		-0.0060	-0.029	5.11	2	5.23	2	5.30	2	A2		140801		
4413	1 M	14 54 59.224	+00 01 58.08		+0.0041	-0.027	5.60						K1III		120758		145
4414	R	15 48 23.245	+15 17 02.69		-0.0004	-0.044	5.6						GM7E		101771	DV	
4415	S	15 19 18.973	+14 29 35.00		+0.0002	-0.001	7.6	4					M5E	4	101503	V	
4416	Y	15 11 26.210	-01 42 02.44		-0.0026	-0.009	8.0	4					M5E	4	140398	V	
4417	FI	15 11 47.691	+00 33 17.46		-0.0014	-0.002	7.99	4	7.99	7			A0P	6	120910	V	
4418	FL	15 09 47.650	+19 09 47.18		-0.0008	+0.006	5.78		7.26	7			M4III	7	101429	V	
4419	24 ALP	15 41 48.151	+06 34 53.93		+0.0091	+0.044	2.640	1	3.810	1	5.060	1	K2III		121157	D	
4420	28 BET	15 43 52.670	+15 34 37.42		+0.0047	-0.049	3.670	1	3.730	1	3.810	1	A2IV		101725	D	
4421	41 GAM	15 54 08.455	+15 49 24.77		+0.0212	-1.285	3.860	1	4.340	1	4.310	1	F6IV-V		101826		
4422	13 DEL- 1	15 32 24.633	+10 42 12.66		-0.0051	-0.007	5.114	1	5.374	1	5.494	1	DF0		101623	D	146
4423	13 DEL- 2	15 32 24.681	+10 42 17.82		-0.0051	+0.010	4.184	1	4.444	1	4.564	1	F0IV		101624	DV	147
4424	37 EPS	15 48 19.243	+04 37 36.85		+0.0084	+0.061	3.700	1	3.860	1	3.950	1	A M		121218		
4425	21 IOT	15 39 19.178	+19 49 48.61		-0.0041	-0.049	4.53	2	4.58	2	4.60	2	A1V		101682	D	
4426	35 KAP	15 46 29.216	+18 17 41.17		-0.0035	-0.091	4.09	2	5.71	2	7.66	2	GM1		101752		
4427	27 LAM	15 44 00.829	+07 30 30.70		-0.0151	-0.068	4.43	2	5.03	2	5.13	2	G0V		121186	V?	
4428	32 MU	15 47 00.446	-03 16 42.95		-0.0060	-0.028	3.530	1	3.490	1	3.390	1	A0V		140787		
4429	44 PI	16 00 08.407	+22 56 30.96		+0.0009	+0.020	4.83	2	4.90	2	4.95	2	A3V		84155		
4430	38 RHO	15 49 04.028	+21 07 37.15		-0.0038	+0.016	4.78	2	6.32	2	8.20	2	K5III		84037		
4431	50 SIG	16 19 32.244	+01 08 42.37		-0.0105	+0.049	4.82	2	5.16	2	5.18	2	F0V		121540		
4432	9 TAU- 1	15 23 28.116	+15 36 09.65		-0.0010	-0.012	5.17	2	6.83	2	8.78	2	M1III		101545		
4433	12 TAU- 2	15 29 51.309	+16 13 28.43		-0.0000	+0.005	6.13		6.080				B8V		101600		
4434	15 TAU- 3	15 33 16.933	+17 49 15.29		-0.0055	-0.017	5.96						GG8		101631		
4435	17 TAU- 4	15 34 09.067	+15 15 55.98		-0.0005	+0.007	6.84	4					MR	4	101641	V	
4436	18 TAU- 5	15 34 10.893	+16 17 00.01		+0.0052	-0.011	5.85						A6N		101642		
4437	19 TAU- 6	15 38 41.084	+16 11 05.00		+0.0019	-0.017	6.01	2	6.91	2	7.52	2	G5III		101678		
4438	22 TAU- 7	15 39 39.577	+18 37 19.54		-0.0051	+0.050	5.72						A2		101686		
4439	26 TAU- 8	15 42 25.732	+17 25 12.68		-0.0019	-0.003	5.91		5.910				A0V		101712		
4440	31 UPS	15 44 57.841	+14 16 05.56		-0.0042	+0.036	5.70		5.790				A2V		101739		
4441	PHI	15 54 56.014	+14 33 23.38		-0.0084	+0.085	5.54		6.680				K1IV		101834		
4442	20 CHI	15 39 26.101	+13 00 23.76		+0.0027	-0.015	5.33	2	5.37	2	5.42	2	A P		101683	V	
4443	23 PSI	15 41 30.642	+02 40 26.89		-0.0055	-0.153	5.74						DG5		121152	D	
4444	34 OME	15 47 45.897	+02 20 51.72		+0.0019	-0.053	5.23	2	6.25	2	7.07	2	G8III		121215		
4445	61	18 29 21.997	-01 02 24.30		+0.0005	-0.006	5.94	2	6.10	2	6.26	2	A2M?		142372		
4446	62	18 53 01.098	+06 33 04.49		+0.0012	-0.087	5.57	2	6.61	2	7.48	2	GG9		124050		148
4447	64	18 54 45.652	+02 28 05.27		-0.0005	-0.011	5.47		5.470				B8		124089		
4448	60 -C	18 27 04.776	-02 01 09.27		+0.0020	-0.033	5.44						K0III		142348		
4449	59 -D	18 24 38.906	+00 09 53.44		-0.0007	-0.002	5.21	2	5.71	2	5.92	2	G0+A0		123497	DV	
4450	-E	18 35 01.729	-00 21 11.20		+0.0006	-0.021	5.74	2	5.80	2	5.86	2	A2		142444		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
4451	W	SCA	18 06 58.299	-15 33 37.33		+0.0004	+0.003	9.0	6				S4C	6	161128	V	
4452	CV	SCA	18 16 19.810	-11 39 16.23		-0.0015	+0.015	8.8	6				OA	6	161325	V	
4453	EG	SCA	18 23 26.492	-01 42 38.90		+0.0004	-0.036	8.2	6				A0	6	142311	V	
4454	FO	SCA	18 16 29.434	-15 38 04.58		+0.0022	-0.013	8.8	6	10.67	7	12.67	R6(C4,5J)	7	161327	V	
4455	57 ZET	SCA	17 57 50.377	-03 41 19.04		+0.0096	-0.046	4.62	2	5.01	2	5.00	F3V		142025		
4456	58 ETA	SCA	18 18 43.265	-02 54 48.20		-0.0370	-0.697	3.250	1	4.190	1	4.840	K0IV	1	142241		
4457	63 THE- 1	SCA	18 53 43.976	+04 08 13.25		+0.0031	+0.032	4.07	2	4.24	2	4.33	A5V	2	124068	DV?	
4458	63 THE- 2	SCA	18 53 45.420	+04 08 07.70		+0.0031	+0.027	4.99		5.190			A5N		124070	D	
4459	53 NU	SCA	17 18 00.746	-12 47 52.08		+0.0029	+0.004	4.31	2	4.34	2	4.38	A1V	2	160479	D	
4460	55 XI	SCA	17 34 43.274	-15 22 07.81		-0.0031	-0.061	3.520	1	3.760	1	3.880	F0IV	1	160700	D	
4461	56 OMI	SCA	17 38 36.141	-12 51 01.01		-0.0050	-0.055	4.24	2	4.32	2	4.43	A2V	2	160747		
4462	1	SEX	= 10 LEO														
4463	2	SEX	09 35 50.850	+04 52 33.60		-0.0109	-0.057	4.68	2	6.00	2	7.45	K3III		117821		140
4464	3	SEX	09 45 43.552	-07 00 45.84		-0.0020	-0.017	7.11	4				B9	4	137142		
4465	4	SEX	09 47 54.005	+04 34 42.65		-0.0100	-0.059	6.24	2	6.72	2	6.70	DF6		117937		
4466	6	SEX	09 48 42.826	-04 00 29.52		+0.0006	-0.032	6.01	2	6.18	2	6.29	A5III	2	137183		
4467	7	SEX	09 49 37.430	+02 41 17.35		-0.0123	+0.088	6.02	2	5.98	2	5.89	A1V	2	117959		
4468	9	SEX	09 51 29.911	+05 10 54.66		-0.0021	+0.012	6.98	4				K5	4	117980		
4469	12	SEX	09 57 07.479	+03 37 28.41		-0.0046	+0.017	6.70	2	6.97	2	7.06	A5	2	118041	V?	
4470	13	SEX	10 01 33.031	+03 26 42.73		-0.0052	-0.101	6.45	2	6.85	2	6.83	DF3		118086		
4471	14	SEX	10 04 10.580	+05 51 21.72		-0.0024	-0.020	6.21	2	7.15	2	7.87	GG6	2	118111		
4472	16	SEX	10 06 37.709	+06 24 59.86		-0.0009	-0.012	6.83	4				K0	4	118135		
4473	17	SEX	10 07 38.418	-08 09 42.80		-0.0021	-0.006	5.91	2	5.93	2	5.88	A0	2	137385		
4474	18	SEX	10 08 26.593	-08 10 15.77		-0.0007	-0.049	5.65	2	6.95	2	8.37	GK2	2	137395	V?	
4475	19	SEX	10 10 12.247	+04 51 44.96		-0.0036	-0.009	5.77	2	6.95	2	8.06	GK0	2	118164		
4476	20	SEX	10 11 15.122	-07 08 09.60		-0.0129	+0.015	7.32	4				F8	4	137424		
4477	21	SEX	10 11 38.814	-07 44 40.38		-0.0014	-0.019	7.06	4				K0	4	137430		
4478	24	SEX	10 20 54.745	-00 38 54.22		+0.0038	-0.044	6.62	4				G5	4	137532		
4479	25	SEX	10 20 54.805	-03 49 14.54		-0.0035	-0.000	5.97	2	5.87	2	5.70	A P	2	137533		
4480	26	SEX	10 24 03.728	-00 43 59.76		-0.0034	-0.000	6.78	4				K0	4	137565		
4481	27	SEX	10 24 15.245	-04 07 59.64		-0.0033	-0.003	6.60	4				K0	4	137567		
4482	31	SEX	10 27 56.023	+02 24 26.75		+0.0041	-0.047	7.12	4				K0	4	118341		
4483	32	SEX	10 29 42.662	+04 54 09.04		-0.0009	+0.027	7.21	4				K0	4	118354		
4484	33	SEX	10 38 51.535	-01 28 41.50		-0.0093	-0.125	6.26	2	7.14	2	7.73	K1IV	2	137728		
4485	34	SEX	10 40 02.568	+03 50 41.39		-0.0059	+0.019	6.63	4				F5	4	118443		
4486	35	SEX	10 40 45.197	+05 00 38.21		+0.0013	-0.034	5.79	2	6.96	2	8.05	K3III	2	118449	D	
4487	36	SEX	10 42 34.852	+02 45 05.11		-0.0036	-0.027	6.28	2	7.49	2	8.77	GK4	2	118473		
4488	37	SEX	10 43 29.494	+06 38 13.93		-0.0008	-0.040	6.37	2	7.49	2	8.60	GK1	2	118483		150
4489	38	SEX	10 44 43.167	+06 36 38.26		-0.0033	-0.027	7.01	4				A2	4	118493		151
4490	39	SEX	10 46 27.477	-08 50 06.04		-0.0005	-0.028	7.18	4				K0	4	137805		
4491	40	SEX	10 46 45.107	-03 45 33.12		-0.0035	-0.016	6.61	2	6.83	2	6.91	A2	2	137808	D	
4492	41	SEX	10 47 47.457	-04 11 13.33		-0.0006	-0.018	5.79	2	5.95	2	6.08	A2M	2	137823	D	
4493		SEX	09 40 14.064	-07 52 14.91		-0.0005	+0.015	9.1	6				MB	6	137070	V	
4494		SEX	10 08 24.188	+02 48 19.22		-0.0005	-0.050	8.9	6				M2	6	118149	V	
4495		SEX	09 52 16.626	+05 26 05.94		+0.0009	-0.038	9.0	6				M2	6	117987	V	
4496	23 RS	SEX	10 18 27.090	+02 32 30.78		-0.0006	-0.007	6.65	2	6.57	2	5.90	B3		118248	V	
4497		SEX	10 09 50.954	-10 04 25.97		-0.0019	+0.014	8.3	6				MB	6	155810	V	
4498		SEX	10 23 33.540	+04 11 13.33		-0.0000	-0.021	6.62	4				A3	7	118299	V	
4499	15 ALP	SEX	10 05 22.720	-00 07 35.34		-0.0012	-0.014	4.50	2	4.46	2	4.40	A0III	2	137366		
4500	30 BET	SEX	10 27 44.099	-00 22 47.84		-0.0028	-0.026	5.10	2	4.96	2	4.43	B6V	2	137608		

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4501	8 GAM	SEX	09 50 01.878	-07 52 07.35	-0.0040	-0.045	5.05	2	5.09	2	5.15	2	A2		137199	D	
4502	29 DEL	SEX	10 26 56.300	-02 28 57.21	-0.0034	-0.018	5.21	2	5.15	2	5.03	2	B9		137600		
4503	22 EPS	SEX	10 15 08.659	-07 49 06.78	-0.0110	-0.001	5.24	2	5.55	2	5.69	2	F1III		137469		
4504	7	TAU	03 31 28.599	+24 17 53.88	+0.0006	-0.021	5.90		6.030				A3V		75909	n	
4505	9	TAU	03 34 01.282	+23 02 49.72	-0.0010	-0.020	6.69	4					A0P	4	76029		
4506	10	TAU	03 34 19.095	+00 14 39.54	-0.0157	-0.481	4.28	2	4.85	2	4.93	2	F8V		111292		
4507	11	TAU	03 37 46.777	+25 10 09.75	+0.0007	-0.010	6.02		6.080				A2V		76073		
4508	12	TAU	03 37 14.671	+02 53 44.19	-0.0026	+0.010	5.57	2	6.51	2	7.18	2	GG6		111334		
4509	13	TAU	03 39 25.620	+19 32 29.98	+0.0001	-0.010	5.56		5.550				B8V		93557		
4510	14	TAU	03 40 53.445	+19 30 30.60	+0.0082	-0.052	6.14	2	7.15	2	7.89	2	K0III		93568		
4511	16	TAU	03 41 49.528	+24 08 01.54	+0.0009	-0.043	5.46	2	5.42	2	5.09	2	B7IV		76126		
4512	17	TAU	03 41 54.055	+23 57 27.82	+0.0014	-0.042	3.700	1	3.580	1	3.180	1	B6III		76131		
4513	18	TAU	03 42 10.395	+24 41 02.03	+0.0015	-0.044	5.65	2	5.58	2	5.22	2	B8V		76137		
4514	20	TAU	03 42 50.756	+24 12 47.01	+0.0015	-0.043	3.870	1	3.800	1	3.400	1	B7III		76155	V?	
4515	21	TAU	03 42 55.370	+24 24 00.00	+0.0009	-0.039	5.76	2	5.72	2	5.49	2	B8V		76159		
4516	22	TAU	03 43 03.846	+24 22 24.38	+0.0011	-0.041	6.43	2	6.41	2	6.26	2	B9V		76164		
4517	23	TAU	03 43 21.195	+23 47 38.99	+0.0016	-0.042	4.18	2	4.12	2	3.70	2	B6IV		76172		
4518	24	TAU	03 44 22.400	+23 57 46.99	+0.0016	-0.044	8.1	4					A0	4	76192		
4519	27	TAU	03 46 11.030	+23 54 07.66	+0.0013	-0.043	3.620	1	3.530	1	3.170	1	B8III		76228	DV?	
4520	31	TAU	03 49 20.056	+06 23 09.69	+0.0005	-0.004	5.67	2	5.73	2	5.30	2	B9		111469	D	
4521	32	TAU	03 53 54.497	+22 20 08.19	+0.0049	-0.106	5.69						DF3		76339		
4522	33	TAU	03 54 05.640	+23 01 54.79	+0.0007	-0.016	5.97		5.960				B9.5IV		76343		
4523	36	TAU	04 01 21.932	+23 58 11.82	-0.0002	-0.012	5.56						F5+A		76425	n	
4524	40	TAU	04 01 05.383	+05 17 56.68	-0.0000	-0.007	5.33	2	5.25	2	4.69	2	B3V		111585		
4525	43	TAU	04 06 14.929	+19 28 43.16	+0.0076	-0.030	5.49						GK1		93795		
4526	45	TAU	04 08 40.382	+05 23 39.94	+0.0098	+0.011	5.73	2	6.09	2	6.08	2	DF4		111648		
4527	46	TAU	04 10 51.367	+07 35 23.29	-0.0003	+0.009	5.29	2	5.65	2	5.65	2	F3V		111672	D	
4528	47	TAU	04 11 13.026	+09 08 18.55	-0.0008	-0.036	4.84	2	5.64	2	6.15	2	GG5		111674	D	
4529	48	TAU	04 12 55.737	+15 16 37.43	+0.0080	-0.027	6.32	2	6.72	2	6.74	2	DF2		93836	V?	
4530	51	TAU	04 15 25.390	+21 27 31.53	+0.0068	-0.034	5.65	2	5.93	2	6.00	2	DA8		76541		
4531	53	TAU	04 16 29.027	+21 01 22.94	+0.0022	-0.040	5.28		5.230				A P		76548		
4532	55	TAU	04 17 02.877	+16 24 12.84	+0.0081	-0.032	6.86	4					G0	4	93870	D	
4533	56	TAU	04 16 38.847	+21 39 15.94	+0.0022	-0.038	5.24		5.100				A SI		76551		
4534	58	TAU	04 17 45.960	+14 58 37.86	+0.0074	-0.022	5.26	2	5.48	2	5.58	2	GA8		93876		
4535	60	TAU	04 19 14.239	+13 57 37.91	+0.0077	-0.024	5.72	2	6.04	2	6.14	2	A M		93892		
4536	62	TAU	04 20 58.605	+24 11 10.61	+0.0005	-0.008	6.14		6.300				B3V		76591	D	
4537	63	TAU	04 20 32.682	+16 39 43.73	+0.0072	-0.027	5.64	2	5.94	2	6.07	2	A M		93900		
4538	64	TAU	04 21 12.579	+17 19 47.19	+0.0077	-0.037	4.80	2	4.95	2	5.08	2	A7V		93907		
4539	67	TAU	04 22 26.032	+22 05 13.99	+0.0079	-0.052	5.28	2	5.53	2	5.62	2	A5N		76602		
4540	68	TAU	04 22 35.580	+17 48 55.20	+0.0076	-0.027	4.28	2	4.32	2	4.40	2	A2IV		93923	D	
4541	70	TAU	04 22 45.844	+15 49 41.75	+0.0074	-0.027	6.46	2	6.95	2	6.97	2	DF5		93925	D	
4542	71	TAU	04 23 29.605	+15 30 23.06	+0.0077	-0.021	4.50	2	4.75	2	4.89	2	F0V		93932		
4543	72	TAU	04 24 17.800	+22 53 07.12	+0.0005	-0.015	5.37						B6V		76613		
4544	75	TAU	04 25 34.659	+16 14 58.50	+0.0004	+0.029	5.10						K2III		93950	V?	
4545	76	TAU	04 25 33.235	+14 37 52.72	+0.0074	-0.022	5.90	2	6.22	2	6.28	2	DF0		93948		
4546	80	TAU	04 27 17.324	+15 31 49.66	+0.0070	-0.023	5.58	2	5.90	2	6.00	2	A6N		93970	D	
4547	81	TAU	04 27 47.539	+15 35 05.33	+0.0071	-0.022	5.48	2	5.74	2	5.84	2	A7M		93978		
4548	83	TAU	04 27 48.251	+13 37 02.18	+0.0072	-0.021	5.41	2	5.67	2	5.77	2	DF1		93979		
4549	84	TAU	04 28 16.719	+14 59 56.13	+0.0031	-0.045	6.64	4					MA	4	93983		
4550	85	TAU	04 29 00.180	+15 44 45.45	+0.0070	-0.026	6.02	2	6.36	2	6.39	2	A9N		93993		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	G N
4551	89 TAU	04 35 17.491	+15 56 05.25		+0.0064	-0.022	5.79	2	6.10	2	6.16	2	DA8		04043		
4552	95 TAU	04 40 11.896	+23 59 45.23		+0.0013	-0.020	6.08						DF6		76727		
4553	96 TAU	04 46 52.268	+15 49 07.01		+0.0003	-0.010	6.22						GK3		94151	D	
4554	99 TAU	04 54 46.435	+23 52 20.65		+0.0007	-0.006	5.83						GG8		76858	D	
4555	101 TAU	04 56 51.980	+15 50 35.68		+0.0061	-0.022	6.70	4					F5	4	94248		
4556	103 TAU	05 05 03.623	+24 12 03.46		+0.0001	-0.003	5.41						B2V		76974	D	
4557	105 TAU	05 04 55.903	+21 38 25.58		+0.0004	-0.006	5.83		6.040				B2VP		76972		
4558	107 TAU	05 05 53.202	+19 47 48.08		+0.0004	-0.013	6.55	4					G5	4	94345		
4559	106 TAU	05 12 27.169	+22 13 45.68		-0.0005	-0.011	6.13		6.210				A2IV		77057		
4560	110 TAU	05 20 44.314	+16 39 13.89		-0.0020	-0.018	6.02		6.160				A2V		94514		
4561	111 TAU	05 21 30.232	+17 20 19.58		+0.0172	-0.008	4.98		5.520				F8V		94526		
4562	113 TAU	05 23 12.185	+16 39 26.94		-0.0006	-0.004	6.16						B3N		94543		
4563	115 TAU	05 24 14.934	+17 55 15.48		+0.0004	-0.024	5.30						B5V		94554	7	
4564	116 TAU	05 24 53.103	+15 50 01.13		+0.0004	-0.022	5.47		5.480				B9V		94566		
4565	117 TAU	05 25 07.345	+17 11 57.17		+0.0014	-0.050	6.86						GM1		94573		
4566	118 A TAU	05 26 11.709	+25 06 42.67		+0.0008	-0.031	5.9		5.860				B9V		77201	D	152
4567	118 B TAU	05 26 11.488	+25 06 37.82		-0.0003	-0.031	6.6		6.560				B9V		77200	D	153
4568	120 TAU	05 30 35.670	+18 30 22.95		-0.0001	-0.001	5.54						B P		94649		
4569	121 TAU	05 32 23.739	+24 00 29.85		+0.0005	-0.014	5.16						B3V		77205		
4570	122 TAU	05 34 09.520	+17 00 40.36		+0.0032	-0.032	5.54	2		2	5.86	2	A5		94700		
4571	125 TAU	05 36 38.170	+25 52 15.39		+0.0015	-0.022	5.04		4.870				B2V		77360		
4572	126 TAU	05 38 24.225	+16 30 35.29		+0.0006	-0.019	4.86	2	4.74	2	4.11	2	B3IV		94759	D	
4573	127 TAU	05 39 57.076	+18 57 29.26		-0.0003	-0.006	6.68	4					B9	4	94793		
4574	128 TAU	05 42 00.310	+16 03 58.34		+0.0004	-0.009	6.81	4					A0	4	94823		
4575	129 TAU	05 43 52.858	+15 48 16.86		+0.0003	-0.005	5.88		5.830				B7IIIP		94848		
4576	130 TAU	05 44 31.158	+17 42 43.75		-0.0003	-0.007	5.38						GF4		94858		
4577	131 TAU	05 44 22.187	+14 28 18.05		+0.0007	-0.040	5.61		5.650				A3V		94855		
4578	132 TAU	05 45 56.744	+24 33 09.24		+0.0000	-0.027	4.86						G8III		77592	V?	
4579	133 TAU	05 44 52.698	+13 52 59.18		+0.0009	-0.014	5.15		4.970				B2V		94864	D	
4580	134 TAU	05 46 44.306	+12 38 13.65		-0.0014	-0.024	4.91	2	4.84	2	4.68	2	B9IV		94888		
4581	135 TAU	05 47 38.111	+14 17 34.37		+0.0004	-0.036	5.55						GG9		94904		
4582	136 TAU	05 50 10.984	+27 36 08.48		+0.0004	-0.014	4.59	2	4.57	2	4.60	2	A0III		77675	D	
4583	137 TAU	05 49 31.762	+14 09 38.95		-0.0014	-0.006	5.54		5.500				A P		94945		
4584	139 TAU	05 54 53.423	+25 56 58.59		+0.0001	-0.002	4.82	2	4.76	2	3.82	2	B1IB		77775		
4585	141 TAU	05 58 40.385	+22 24 04.85		-0.0007	-0.021	6.23		6.150				B8V		77858		154
4586	37 A- 1 TAU	04 01 44.065	+21 56 49.01		+0.0066	-0.056	4.37	2	5.44	2	6.39	2	K0III		76430		
4587	39 A- 2 TAU	04 02 22.353	+21 52 31.92		+0.0122	-0.133	5.90	2	6.52	2	6.64	2	DG1		76438		
4588	79 -B TAU	04 26 01.921	+12 56 18.33		+0.0074	-0.012	5.03	2	5.26	2	5.38	2	A6N		93960		
4589	90 -C- 1 TAU	04 35 21.558	+12 24 43.81		+0.0067	-0.010	4.27	2	4.39	2	4.52	2	A5V		94044		
4590	93 -C- 2 TAU	04 37 16.174	+12 06 03.97		-0.0002	-0.007	5.38		5.270				B7IV		94063		
4591	88 -D TAU	04 32 54.250	+10 03 35.26		+0.0036	-0.044	4.26	2	4.44	2	4.56	2	A M		94026	DV?	
4592	30 -E TAU	03 45 31.521	+10 59 27.51		+0.0018	-0.019	6.00						B3V		93611	DV?	
4593	5 -F TAU	03 28 06.502	+12 46 00.30		+0.0013	+0.002	4.10	2	5.23	2	6.25	2	K0II-III		93469		
4594	57 -H TAU	04 17 08.522	+13 54 58.43		+0.0079	-0.019	5.59	2	5.87	2	5.95	2	F0V	7	93872		
4595	97 -I TAU	04 48 26.754	+18 45 23.40		+0.0058	-0.035	5.11	2	5.32	2	5.44	2	DA5		94164	V	
4596	98 -K TAU	04 55 05.588	+24 58 30.10		+0.0022	-0.049	5.54		5.540				B9.5V?		76862	D	
4597	106 -L TAU	05 04 50.680	+20 21 15.03		-0.0034	-0.034	5.17						A3		76971		
4598	104 -M TAU	05 04 29.507	+18 34 46.97		+0.0378	+0.019	4.96						G4V		94332	D	
4599	109 -N TAU	05 16 16.174	+22 02 47.81		+0.0008	-0.081	5.00						G8III		77097		
4600	114 -O TAU	05 24 37.750	+21 53 45.83		+0.0002	-0.007	4.89	2	4.75	2	3.98	2	B3V		77184		

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4601	44 -P TAU	04 07 46.846	+26 21 07.73		-0.0024	-0.036	5.40						DF3		76485	V	
4602	19 -Q TAU	03 42 13.572	+24 18 42.91		+0.0014	-0.042	4.30	2	4.19	2	3.73	2	B6V		76140		
4603	R TAU	04 25 33.463	+10 03 08.88		+0.0011	-0.001	7.4	4					M6E	4	93949	V	
4604	66 -R TAU	04 21 08.090	+09 20 46.19		-0.0012	-0.006	5.12	2	5.19	2	5.30	2	A2		111791		
4605	4 -S TAU	03 27 40.267	+11 09 58.68		-0.0007	-0.015	5.11		5.080				B9.5V		93463		
4606	6 -T TAU	03 29 53.410	+09 12 21.13		+0.0021	-0.041	5.77	2	5.69	2	5.39	2	B8		111246		
4607	29 -U TAU	03 43 00.821	+05 53 41.52		+0.0010	-0.007	5.35	2	5.24	2	4.63	2	B3V		111400		
4608	V TAU	04 49 08.402	+17 27 18.75		+0.0004	+0.006	8.5	4					M4E	4	94173	V	
4609	X TAU	03 50 31.585	+07 37 26.40		+0.0040	-0.109	6.6	4					F5	4	111476	V	
4610	Y TAU	05 42 40.488	+20 40 33.18		-0.0000	-0.001	6.96	2	9.99	2			C7-4E		77516	V	
4611	BL TAU	03 50 07.194	+20 03 36.69		+0.0005	+0.002	8.9	6							76297	V	
4612	28 BU TAU	03 46 12.391	+23 59 07.56		+0.0010	-0.047	5.09	2	5.01	2	4.73	2	B8P		76229	V	
4613	CD TAU	05 14 33.494	+20 04 47.81		-0.0006	-0.104	6.84	4					F5	4	77084	DV	
4614	119 CE TAU	05 29 16.760	+18 33 31.99		+0.0002	-0.002	4.35	2	6.41	2	8.62	2	M2IB		94628	V	
4615	CQ TAU	05 32 54.139	+24 43 03.68		+0.0005	-0.028	8.6	6					F5	6	77299	V	
4616	DV TAU	05 28 10.412	+18 31 26.46		-0.0006	-0.028	8.4	6					MB	6	94604	V	
4617	DY TAU	05 39 04.001	+18 31 02.00		+0.0008	-0.013	9.1	6					MC	6	94779	V	
4618	ET TAU	05 34 32.930	+27 14 33.44		+0.0029	+0.039	8.8	6					B8	6	77330	V	
4619	EU TAU	05 42 44.286	+18 38 15.60		+0.0001	-0.014	8.4	6					G5	6	94837	V	
4620	41 GS TAU	04 03 32.044	+27 28 00.58		+0.0015	-0.051	5.19		5.050				A SI		76455	V	
4621	HU TAU	04 35 18.604	+20 35 09.41		-0.0012	-0.005	5.70		5.66				B8V		76680	V	
4622	IM TAU	= 44 -P TAU															
4623	RT TAU	05 01 11.926	+23 34 43.11		-0.0002	+0.000	10.3	7					A0	6	76934	V	
4624	RW TAU	04 00 49.596	+27 59 22.38		+0.0024	-0.022	8.03	7	8.06	7			A0	6	76418	V	
4625	ST TAU	05 42 13.326	+13 33 23.84		-0.0009	-0.003	8.5	6	9.2	7			G0	6	94828	V	
4626	SZ TAU	04 34 20.154	+18 26 35.17		-0.0012	-0.005	7.2	4	7.98	7			G0	4	94036	V	
4627	TT TAU	04 48 22.995	+28 26 35.85		+0.0014	-0.003	10.2	7					N3	6	76788	V	
4628	TU TAU	05 42 09.717	+24 24 01.27		+0.0000	-0.006	11.1	7					N3	6	77502	V	
4629	WW TAU	03 58 34.607	+30 06 56.94		+0.0000	+0.005	9.1	6					K7	6	56908	V	
4630	V 473 TAU	04 46 06.215	+29 29 07.09		-0.0001	-0.032	7.21	4	7.23	7			A0P	6	76771	V	
4631	V 479 TAU	03 51 48.394	+05 01 42.86		+0.0017	-0.020	8.5	6	8.89	7			F3II-III	7	111492	DV	
4632	V 480 TAU	= 97 -I TAU															
4633	V 483 TAU	= 57 -H TAU															
4634	V 486 TAU	= 9 TAU															
4635	V 534 TAU	03 44 04.104	+24 39 59.30		+0.0023	-0.034	8.4	6	8.76	7	8.88		A9V	7	76184	V	
4636	V 593 TAU	05 49 59.183	+26 26 06.90		+0.0008	+0.001	8.2	6					B3	6	77668	V	
4637	87 ALP TAU	04 33 02.896	+16 24 37.51		+0.0045	-0.189	8.60	1	2.400	1	4.320	1	K5III		94027	DV	
4638	112 BET TAU	05 23 07.710	+28 34 01.74		+0.0019	-0.175	1.650	1	1.520	1	1.030	1	B7III		77168		
4639	54 GAM TAU	04 16 56.651	+15 30 30.62		+0.0080	-0.024	3.650	1	4.640	1	5.450	1	K0III		93868	V?	
4640	61 DEL TAU	04 20 02.844	+17 25 36.81		+0.0075	-0.028	3.760	1	4.750	1	5.570	1	K0III		93897	V?	
4641	74 EPS TAU	04 25 41.585	+19 04 16.36		+0.0076	-0.036	3.540	1	4.550	1	5.420	1	K0III		93954		
4642	123 ZET TAU	05 34 39.263	+21 06 50.00		+0.0001	-0.022	3.030	1	2.840	1	2.220	1	B2IVP		77336	V	
4643	25 ETA TAU	03 44 30.424	+23 57 07.57		+0.0014	-0.044	2.870	1	2.780	1	2.430	1	B7III		76199	D	
4644	77 THE- 1 TAU	04 25 42.882	+15 51 10.15		+0.0071	-0.026	3.830	1	4.780	1	5.500	1	K0III		93955		
4645	78 THE- 2 TAU	04 25 48.220	+15 45 41.80		+0.0071	-0.024	3.390	1	3.570	1	3.690	1	A7III		93957		
4646	102 IOT TAU	05 00 06.223	+21 31 13.23		+0.0047	-0.041	4.64	2	4.80	2	4.94	2	A7V		76920		
4647	65 KAP TAU	04 22 23.083	+22 10 51.94		+0.0070	-0.046	4.22	2	4.35	2	4.49	2	A7V		76601		
4648	35 LAM TAU	03 57 54.378	+12 21 02.13		-0.0005	-0.009	3.410	1	3.290	1	2.660	1	B3V		93719	V	
4649	49 MU TAU	04 12 48.954	+08 46 07.09		+0.0014	-0.022	4.30	2	4.25	2	3.74	2	B3V		111696		
4650	38 NU TAU	04 00 29.584	+05 51 07.47		+0.0001	-0.000	3.910	1	3.940	1	4.000	1	A1V		111579		

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4651	2 XI	TAU	03 24 27.329	+09 33 35.17	+0.0039	-0.035	3.750	1	3.660	1	3.330	1	B8P		111105		
4652	1 OMI	TAU	03 22 07.121	+08 51 15.25	-0.0046	-0.075	3.600	1	4.490	1	5.110	1	G8III		111172	V?	
4653	73 PI	TAU	04 23 46.677	+14 36 08.28	-0.0002	-0.032	4.69	2	5.67	2	6.39	2	G8III		93935		
4654	86 RHO	TAU	04 31 00.440	+14 44 27.45	+0.0069	-0.025	4.65	2	4.90	2	4.98	2	F0V		94007		
4655	91 SIG- 1	TAU	04 36 17.709	+15 42 10.83	+0.0027	-0.071	5.13		5.280				A M		94051		
4656	92 SIG- 2	TAU	04 36 24.685	+15 49 14.21	+0.0056	-0.016	4.70	2	4.84	2	4.98	2	A5V		94054		
4657	94 TAU	TAU	04 39 14.403	+22 51 46.00	-0.0001	-0.016	4.29	2	4.15	2	3.58	2	B3V		76721		
4658	69 UPS	TAU	04 23 18.680	+22 42 06.75	+0.0076	-0.045	4.28	2	4.54	2	4.69	2	F0III-IV		76608		
4659	52 PHI	TAU	04 17 16.436	+27 13 58.39	-0.0018	-0.078	4.92						K1III		76558	n	
4660	59 CHI	TAU	04 19 32.079	+25 30 46.87	+0.0013	-0.021	5.38		5.360				B9.5V		76573	D	
4661	42 PSI	TAU	04 03 54.653	+28 52 04.07	-0.0067	+0.007	5.32						DF1		76461		
4662	50 OME	TAU	04 14 19.595	+20 27 25.70	-0.0031	-0.057	4.94	2	5.20	2	5.31	2	A M		76532		
4663	BL	TEL	19 02 43.938	-51 29 42.18	+0.0024	+0.005	7.33	4					F8	4	245923	V	
4664	HO	TEL	19 48 21.623	-46 59 23.69	-0.0028	-0.013	8.1	6					A2	6	229902	V	
4665	MT	TEL	18 58 30.762	-46 43 27.33	-0.0127	-0.109	8.8	6	8.94	7			A0	6	229444	V	
4666	RX	TEL	19 03 17.992	-46 02 54.39	+0.0011	+0.000	8.9	4					MA	4	229407	V	
4667	ALP	TEL	18 23 15.974	-45 59 53.11	-0.0014	-0.046	3.510	1	3.340	1	2.690	1	B3III		229023		
4668	DEL- 1	TEL	18 26 03.189	-45 57 02.61	-0.0007	-0.030	4.96	2	4.85	2			B6IV		229092		
4669	DEL- 2	TEL	18 28 20.114	-45 47 37.43	+0.0004	-0.006	5.33						B5IV		229095		
4670	EPS	TEL	18 07 31.023	-45 57 54.77	-0.0014	-0.031	4.53	2	5.54	2	6.32	2	G8III		228777	n	
4671	ZET	TEL	18 24 58.826	-49 06 06.58	+0.0147	-0.241	4.125	1	5.140	1	5.955	1	GK0		229047		
4672	ETA	TEL	19 18 49.411	-50 31 07.68	+0.0021	-0.069	5.05	2	5.07	2			A0		246055		
4673	IOT	TEL	19 31 30.714	-48 12 32.55	-0.0013	-0.036	4.90	2	5.99	2			G9III		229751		
4674	KAP	TEL	18 48 41.748	-52 10 01.54	+0.0040	-0.103	5.27						G68		245772		
4675	LAM	TEL	18 54 27.986	-53 00 22.78	+0.0014	-0.000	5.03						B9III		245834		
4676	MU	TEL	19 26 31.603	-55 12 53.33	+0.0043	-0.012	6.41						DF6		246131		
4677	NU	TEL	19 43 56.776	-56 29 05.84	+0.0113	-0.135	5.35	2	5.55	2			A M		246271		
4678	XI	TEL	20 03 33.869	-53 01 33.20	-0.0008	+0.010	4.930	1	6.540	1	8.370	1	M2III		246443		
4679	RHO	TEL	19 02 22.677	-52 24 59.33	+0.0035	-0.115	5.16	2	5.69	2			DF8		245921		
4680		TRI	02 08 29.234	+31 17 30.37	+0.0030	-0.007	6.15						A M		55338	V?	
4681		TRI	02 12 58.322	+33 07 38.97	-0.0014	-0.034	5.24		5.230				B9.5V		55397		
4682		TRI	02 16 02.723	+28 24 46.35	+0.0008	-0.002	5.23		5.270				A2V		75276	D	
4683		TRI	02 24 29.556	+31 34 40.56	-0.0021	-0.024	5.72						GK1		55570		
4684		TRI	02 25 13.653	+29 26 50.24	-0.0011	-0.082	5.28						GA7		75392		
4685		TRI	02 25 52.026	+29 42 29.07	-0.0053	+0.078	5.79						DG0		75391		
4686		TRI	02 29 02.538	+35 55 36.15	+0.0038	+0.017	5.23						K5III		55635		
4687		TRI	02 32 44.239	+34 28 14.37	+0.0024	-0.046	5.45						GM3		55687	DV?	
4688		TRI	02 38 27.438	+34 18 10.09	+0.0014	+0.005	8.4	6					MB	6	55785	V	
4689		TRI	01 57 42.353	+27 38 50.29	-0.0000	-0.006	8.6	6					A2	6	75082	V	
4690		TRI	01 32 00.442	+29 20 01.24	-0.0064	+0.002	9.1	6					A5	6	74803	V	
4691		TRI	02 15 13.329	+31 31 07.52	+0.0014	+0.001	9.1	6							55442	V	
4692	2 ALP	TRI	01 50 13.440	+29 20 10.14	+0.0008	-0.229	3.420	1	3.900	1	3.960	1	F6IV		74996		
4693	4 BET	TRI	02 06 33.579	+34 45 06.52	+0.0120	-0.037	3.000	1	3.140	1	3.260	1	A5III		55306		
4694	9 GAM	TRI	02 14 20.011	+33 37 01.46	+0.0037	-0.046	4.010	1	4.030	1	4.050	1	A0V		55427		
4695	8 DEL	TRI	02 13 59.614	+33 59 47.61	+0.0928	-0.237	4.87	2	5.48	2	5.50	2	G0V		55420	D	
4696	3 EPS	TRI	02 00 02.186	+33 02 38.48	-0.0013	-0.009	5.50	2	5.53	2	5.59	2	A2III		55218	D	
4697	6 IOT	TRI	02 09 27.759	+30 04 10.90	-0.0049	-0.059	5.05						G5III		55347	D	
4698		TRA	15 15 15.872	-66 18 53.37	-0.0003	-0.022	7.1	4	7.65	7			G0	4	253107	V	
4699		TRA	15 56 40.169	-63 38 10.05	-0.0001	-0.006	5.90		6.600				G5	4	253377	V	
4700		TRA	15 04 58.521	-68 31 49.90	-0.0055	-0.044	6.97	4					A0	4	253029	DV	

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OF POOR QUALITY

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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4701	U TRA	16 02 51.183	-62 46 36.64		+0.0045	-0.019	8.0	4	8.39	7			F5	4	253430	V	
4702	X TRA	15 09 29.113	-69 53 34.63		+0.0017	-0.011	8.2						NR		253062	V	
4703	EN TRA	14 52 28.130	-68 38 17.43		-0.0028	+0.011	8.7	6							252962	V	
4704	EP TRA	15 44 56.831	-64 06 47.84		-0.0032	+0.060	9.0	6					A0	6	253304	V	
4705	HP TRA	15 21 49.326	-63 15 05.78		-0.0011	+0.004	8.8	6					B8	6	253159	V	
4706	ALP TRA	16 43 21.059	-68 56 19.89		+0.0052	-0.034	1.920	1	3.360	1	4.910	1	K4III		253700		
4707	BET TRA	15 50 42.980	-63 16 42.59		-0.0278	-0.396	2.850	1	3.140	1	3.190	1	F2IV		253346		
4708	GAM TRA	15 14 12.588	-68 29 48.82		-0.0110	-0.031	2.890	1	2.900	1	2.870	1	A1V		253097		
4709	DEL TRA	16 10 52.116	-63 33 37.10		+0.0015	-0.014	3.850	1	4.960	1	5.830	1	G2II		253474	D	
4710	EPS TRA	15 32 07.105	-66 09 04.08		+0.0048	-0.065	4.11	2	5.28	2	6.44	2	K0III		253226	D	
4711	ZET TRA	16 23 03.880	-69 58 28.74		+0.0404	+0.101	4.91	2	5.46	2	5.49	2	G0V		253554		
4712	ETA TRA	16 36 12.524	-68 11 57.64		+0.0006	-0.014	5.91	2	5.83	2	5.41	2	B7IV		253649		
4713	THE TRA	16 30 54.840	-65 23 32.26		+0.0057	-0.042	5.52	2	6.45	2	7.18	2	GG9		253614		
4714	IOT TRA	16 23 17.563	-63 56 48.61		+0.0083	+0.025	5.30						DF4		253555	D	
4715	KAP TRA	15 50 31.428	-68 27 23.27		-0.0009	-0.014	5.09	2	6.22	2	7.15	2	CG6		253342		
4716	T TUC	22 37 16.783	-61 48 53.94		+0.0001	-0.022	7.7	7					MD	6	255280	V	
4717	AN TUC	23 27 33.672	-58 42 07.46		+0.0049	+0.009	9.8	6					A5	6	247905	V	
4718	BQ TUC	00 51 33.387	-63 08 33.46		+0.0101	+0.002	5.64		7.20	7			M5III	6	248276	V	
4719	ALP TUC	22 15 05.690	-60 30 35.03		-0.0080	-0.039	2.850	1	4.220	1	5.750	1	K3III		255193	D	
4720	BET- 1 TUC	00 29 15.752	-63 14 00.38		+0.0140	-0.050	4.370	1	4.320	1	4.150	1	B8V		248201	D	
4721	BET- 2 TUC	00 29 16.518	-63 14 27.50		+0.0156	-0.052	4.550	1	4.690	1	4.720	1	A2V		248202	D	
4722	BET- 3 TUC	00 30 27.662	-63 18 23.45		+0.0127	-0.034	5.16						A2		248208	D	
4723	GAM TUC	23 14 31.468	-58 30 36.44		-0.0032	+0.089	3.990	1	4.390	1	4.360	1	F0III		247814		
4724	DEL TUC	22 23 48.047	-65 13 18.17		+0.0124	+0.005	4.47	2	4.44	2	4.37	2	B8V		255222	D	
4725	EPS TUC	23 57 19.974	-65 51 19.05		+0.0091	-0.020	4.480	1	4.390	1	4.110	1	B7V		255619		
4726	ZET TUC	00 17 28.772	-65 10 06.72		+0.2714	+1.167	4.230	1	4.810	1	4.830	1	G2V		248163		
4727	ETA TUC	23 54 58.492	-64 34 33.31		+0.0142	-0.065	5.00	2	5.06	2	5.14	2	A2		255609		
4728	THE TUC	00 31 16.819	-71 32 30.93		+0.0167	-0.018	6.13	2	6.36	2	6.56	2	A4M?		255679	V	
4729	IOT TUC	01 05 20.132	-62 02 31.21		+0.0111	-0.005	5.37	2	6.25	2			G5III		248324		
4730	KAP- 1 TUC	01 14 03.911	-69 08 23.34		+0.0664	+0.113	7.186	2	7.656	2	7.686	2	F6V		248345	D	155
4731	KAP- 2 TUC	01 14 04.616	-69 08 28.63		+0.0758	+0.112	4.996	2	5.466	2	5.496	2	F6V		248346	D	156
4732	LAM- 1 TUC	00 50 30.741	-69 46 28.74		+0.0001	-0.083	6.22	2	6.78	2	6.86	2	F8		248269	DV?	
4733	LAM- 2 TUC	00 53 08.641	-69 47 50.02		+0.0021	-0.041	5.45	2	6.54	2	7.54	2	G7III		248281	D	
4734	NU TUC	22 29 38.365	-62 14 23.27		+0.0060	-0.024	4.800	1	6.410	1	8.110	1	GM4		255247		
4735	XI TUC	22 44 15.109	-65 49 27.93		-0.0053	-0.016	6.52	4					K0	4	255316		
4736	PI TUC	00 18 20.648	-69 54 08.81		-0.0017	+0.000	5.51	2	5.46	2	5.32	2	B9		248167		
4737	RHO TUC	00 40 20.682	-65 44 33.03		+0.0094	+0.048	5.39	2	5.89	2	5.91	2	DF5		248237		
4738	6 UMA	08 52 21.685	+64 47 49.80		-0.0040	-0.084	5.55						GG3		14703		
4739	10 UMA	08 57 24.075	+41 58 55.79		-0.0394	-0.253	3.970	1	4.400	1	4.460	1	F5V		42642	D	157
4740	17 UMA	09 12 08.473	+56 57 00.55		-0.0020	-0.035	5.31						K5III		27185		
4741	20 UMA	09 16 40.917	+59 59 35.56		+0.0048	-0.020	7.46	4					K0	4	27213		
4742	21 UMA	09 22 06.191	+54 13 56.75		-0.0031	-0.025	7.7	4					A2		27249	D	
4743	22 UMA	09 30 13.314	+72 25 45.64		-0.0168	-0.079	5.72						DF6		6898		
4744	26 UMA	09 31 24.644	+52 16 30.21		-0.0072	-0.039	4.51	2	4.51	2	4.55	2	A2V		27298		
4745	27 UMA	09 38 23.692	+72 28 53.18		-0.0056	-0.031	5.20						K0III		6936		
4746	28 UMA	09 42 05.969	+63 53 04.72		-0.0019	-0.046	6.42						A7N		14980	D	
4747	32 UMA	10 14 25.657	+65 21 31.57		-0.0138	-0.012	5.67						A3		15135		
4748	35 UMA	10 26 22.714	+65 52 58.36		-0.0001	-0.035	6.26						GK2		15196		
4749	36 UMA	10 27 26.446	+56 14 15.64		-0.0214	-0.035	4.84	2	5.36	2	5.35	2	F8V		27670		
4750	37 UMA	10 31 57.350	+57 20 27.14		+0.0081	+0.035	5.16	2	5.50	2	5.48	2	F1V		27695		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

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4751	38 U _{MA}	10 38 33.383	+65 58 44.21		-0.0268	-0.076	5.01						K2III		15261	V?	
4752	39 U _{MA}	10 40 34.778	+57 27 44.40		+0.0019	-0.057	5.78		5.760				B9		27748		
4753	41 U _{MA}	10 43 15.233	+57 37 48.38		-0.0064	-0.068	6.34	2	7.90	2	9.80	2	M1III		27760		
4754	42 U _{MA}	10 48 16.051	+59 35 09.85		-0.0041	-0.057	5.52						GK2		27793		
4755	43 U _{MA}	10 48 06.954	+56 50 50.90		-0.0073	-0.001	5.61						GK1		27791		
4756	44 U _{MA}	10 50 33.486	+54 51 05.10		-0.0082	-0.013	5.20						K3III		27815		
4757	46 U _{MA}	10 52 58.514	+33 46 27.52		-0.0088	-0.032	5.07						K1III		62314		
4758	47 U _{MA}	10 56 40.348	+40 41 51.77		-0.0281	+0.051	5.05	2	5.66	2	5.79	2	G0V		43557		
4759	49 U _{MA}	10 58 02.642	+39 28 51.78		-0.0064	-0.024	5.08	2	5.32	2	5.49	2	F0M		62354		
4760	51 U _{MA}	11 01 44.751	+38 30 40.27		-0.0064	-0.001	5.98		6.140				A3V		62387	D	
4761	55 U _{MA}	11 16 24.722	+38 27 36.38		-0.0049	-0.074	4.79	2	4.91	2	4.94	2	A2V		62491		
4762	56 U _{MA}	11 20 05.352	+43 45 26.32		-0.0033	-0.013	5.00	2	5.98	2	6.78	2	G8II		43719		
4763	57 U _{MA}	11 26 22.902	+39 36 44.41		-0.0045	+0.011	5.24		5.240				A1V		62572	D	
4764	58 U _{MA}	11 27 49.156	+43 26 52.41		-0.0049	+0.078	5.79						DF5		43787		
4765	59 U _{MA}	11 35 41.090	+43 54 10.14		-0.0136	-0.038	5.47						A7N		43837		
4766	60 U _{MA}	11 35 52.827	+47 06 42.03		-0.0042	-0.030	6.22						DF2		43819		
4767	61 U _{MA}	11 38 25.282	+34 29 02.88		-0.0010	-0.388	5.34	2	6.08	2	6.31	2	G8V		62655	V?	
4768	62 U _{MA}	11 38 58.336	+32 01 22.45		-0.0274	+0.019	5.66						DF1		62658		
4769	65 A U _{MA}	11 52 29.996	+46 45 18.11		-0.0001	+0.004	6.46						A0		43945	DV?	
4770	65 B U _{MA}	11 52 35.569	+46 44 52.51		-0.0011	+0.001	6.81						B9		43946	D	
4771	66 U _{MA}	11 53 22.253	+56 52 36.51		+0.0005	-0.004	5.84						GK0		28191		
4772	67 U _{MA}	11 59 34.787	+43 19 22.85		-0.0297	+0.070	5.00						A M		44002		
4773	68 U _{MA}	12 09 15.828	+57 19 57.68		+0.0006	-0.018	6.38						GK5		28291		
4774	70 U _{MA}	12 18 25.940	+58 08 32.32		+0.0049	-0.077	5.55						GK5		28346		
4775	71 U _{MA}	12 22 40.207	+57 03 16.93		-0.0020	-0.023	5.81						GM3		28375		
4776	73 U _{MA}	12 25 12.795	+55 59 21.68		-0.0033	-0.015	5.61						GM2		28394		
4777	74 U _{MA}	12 27 37.655	+58 40 50.23		-0.0083	-0.088	5.37						A5		28405		
4778	75 U _{MA}	12 27 44.266	+59 02 38.10		+0.0037	-0.028	6.10						G8III-IV		28408		
4779	76 U _{MA}	12 39 23.262	+52 59 14.10		-0.0052	-0.020	5.86						A0		15871		
4780	78 U _{MA}	12 58 35.351	+56 38 07.77		+0.0134	-0.014	4.93	2	5.29	2	5.30	2	F2V		28601	DV?	
4781	81 U _{MA}	13 32 12.066	+55 36 15.08		-0.0031	-0.007	5.43						A0SI		28803		
4782	82 U _{MA}	13 37 34.434	+53 10 24.43		-0.0162	+0.056	5.36						A2		28832		
4783	83 U _{MA}	13 38 50.564	+54 56 03.02		-0.0031	-0.011	4.66	2	6.29	2	8.25	2	M2III		28843	V?	
4784	84 U _{MA}	13 44 43.755	+54 40 55.31		-0.0027	-0.004	5.49		5.400				A P		28885		
4785	86 U _{MA}	13 52 00.671	+53 58 26.27		-0.0039	-0.008	5.65						A0		28928		
4786	2 A U _{MA}	08 30 08.936	+65 19 03.83		-0.0077	-0.066	5.40						A M		14590		
4787	5 -B U _{MA}	08 49 16.518	+62 09 04.39		-0.0013	+0.021	5.69						F0		14691		
4788	16 -C U _{MA}	09 10 24.631	+61 37 51.21		+0.0001	-0.034	5.17						DF9		14819		
4789	24 -D U _{MA}	09 30 05.838	+70 03 06.47		-0.0124	+0.076	4.57	2	5.34	2	5.67	2	G2IV		6897		
4790	18 -E U _{MA}	09 12 36.226	+54 13 47.18		+0.0061	+0.058	4.84	2	5.02	2	5.11	2	A5V		27191		
4791	15 -F U _{MA}	09 05 21.316	+51 48 28.27		-0.0147	-0.039	4.48	2	4.75	2	4.87	2	A M		27136		
4792	80 -G U _{MA}	13 23 13.477	+55 14 52.98		+0.0134	-0.021	4.020	1	4.180	1	4.260	1	A5V		28751	V?	
4793	23 -H U _{MA}	09 27 36.565	+63 16 55.10		+0.0161	+0.026	3.670	1	4.000	1	4.100	1	F0IV		14908	DV?	
4794	U R U _{MA}	10 41 07.899	+69 02 19.49		-0.0083	-0.026	5.9	4					M4E	4	15273	V	
4795	U S U _{MA}	12 41 45.615	+61 21 59.88		-0.0036	-0.017	7.0	4					SE	4	15883	V	
4796	U T U _{MA}	12 34 07.200	+59 45 43.32		-0.0037	-0.015	5.5						GM4E		28444	V	
4797	U U U _{MA}	10 11 41.697	+60 14 02.67		+0.0018	-0.004	6.25		7.850				M0III		15129	V	
4798	U W U _{MA}	09 40 15.405	+56 10 56.26		+0.0030	-0.029	7.9	6					G0	6	27364	V	
4799	U Y U _{MA}	12 38 04.415	+56 07 14.83		-0.0003	-0.004	7.9	6					M7II-III?	7	28471	V	
4800	U Z U _{MA}	11 53 54.196	+58 08 59.27		-0.0038	-0.019	8.4	4					M6E	4	28194	V	

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4801	AW U _{MA}	11 27 25.569	+30 14 35.18		-0.0077	-0.203	6.8	6					F0	6	62579	DV	
4802	AY U _{MA}	11 38 06.521	+30 19 55.02		-0.0041	-0.000	9.0	6							62653	V	
4803	CG U _{MA}	09 18 03.926	+56 54 44.96		-0.0011	-0.011	5.77		7.35	7			M4IIIA	7	27219	V	
4804	KY U _{MA}	12 18 03.991	+61 35 13.27		-0.0061	-0.016	7.6	6					M2-3IIIE	7	15775	V	
4805	ST U _{MA}	11 25 06.887	+45 27 37.65		+0.0003	-0.051	6.5	4					MR	4	43748	V	
4806	31 SY U _{MA}	09 52 27.789	+50 03 25.05		-0.0007	+0.020	5.27						A2		27430	V	
4807	TT U _{MA}	09 01 18.803	+60 29 12.04		-0.0011	-0.008	9.0	6							14755	V	
4808	TU U _{MA}	11 27 09.657	+30 20 37.68		-0.0067	-0.058	8.7	6	8.84	7					62578	V	
4809	TV U _{MA}	11 42 58.064	+36 10 18.06		-0.0046	+0.020	7.2	6					MR	6	62693	V	
4810	TX U _{MA}	10 42 24.445	+45 49 45.74		+0.0014	+0.001	6.87	4					B8	4	43460	V	
4811	TZ U _{MA}	12 07 05.293	+58 39 43.53		-0.0013	-0.013	8.6	6					M2	6	28265	V	
4812	VW U _{MA}	10 55 37.999	+70 15 25.50		+0.0057	-0.021	7.37	5					M2	7	7250	V	
4813	VY U _{MA}	10 41 37.141	+67 40 27.25		+0.0007	-0.004	6.00	2	8.41	2	13.18	2	C6-3		15274	V	
4814	WY U _{MA}	10 38 50.605	+51 53 41.64		-0.0001	-0.002	9.4	6					M3	6	27736	V	
4815	XY U _{MA}	09 06 18.433	+54 41 40.00		-0.0055	-0.175	9.1	6					G5	6	27143	V	
4816	YY U _{MA}	09 40 42.437	+53 59 47.37		-0.0013	-0.004	9.4	6					M5	6	27367	V	
4817	ZZ U _{MA}	10 26 40.511	+62 04 03.93		+0.0013	-0.018	9.2	6							15198	V	
4818	50 ALP U _{MA}	11 00 39.570	+62 01 16.80		-0.0168	-0.071	1.790	1	2.860	1	3.780	1	K0II-III		15394	DV?	
4819	46 BET U _{MA}	10 58 50.251	+56 39 03.11		+0.0098	+0.029	2.370	1	2.350	1	2.350	1	A1V		27876	V?	
4820	64 GAM U _{MA}	11 51 12.566	+53 58 21.97		+0.0105	+0.007	2.440	1	2.440	1	2.470	1	A0V		28179	V?	
4821	69 DEL U _{MA}	12 12 57.584	+57 18 36.94		+0.0126	+0.004	3.310	1	3.390	1	3.460	1	A3V		28315	V?	
4822	77 EPS U _{MA}	12 51 50.084	+56 13 51.13		+0.0131	-0.010	1.770	1	1.750	1	1.760	1	A0PV		28553	V	
4823	79 ZET- 1 U _{MA}	13 21 54.916	+55 11 09.46		+0.0139	-0.025	2.292	1	2.312	1	2.342	1	A2V		28737	DV?	158
4824	79 ZET- 2 U _{MA}	13 21 55.808	+55 10 56.63		+0.0134	-0.033	3.850	1	3.870	1	3.900	1	A M		28738	DV?	159
4825	85 ETA U _{MA}	13 45 34.294	+49 33 44.12		-0.0129	-0.014	1.860	1	1.670	1	0.990	1	B3V		44752	V?	
4826	25 THE U _{MA}	09 29 31.489	+51 54 23.18		-0.1029	-0.540	3.180	1	3.640	1	3.670	1	F6IV		27289	D	
4827	9 IOT U _{MA}	08 55 47.626	+48 14 22.05		-0.0443	-0.235	3.140	1	3.330	1	3.400	1	A7V		42630	D	
4828	12 KAP U _{MA}	09 00 13.266	+47 21 20.78	L	-0.0033	-0.056	3.600	1	3.600	1	3.700	1	A0		42661	D	
4829	33 LAM U _{MA}	10 14 05.353	+43 09 53.53		-0.0151	-0.043	3.450	1	3.480	1	3.540	1	A2IV		43268		
4830	34 MU U _{MA}	10 19 21.469	+41 45 06.25		-0.0074	+0.030	3.050	1	4.640	1	6.530	1	M0III		43310	V?	
4831	54 NU U _{MA}	11 15 46.947	+33 22 02.56		-0.0022	+0.023	3.490	1	4.890	1	6.440	1	K3III		62486	D	
4832	53 XI U _{MA}	11 15 31.162	+31 48 38.88	C	-0.0339	-0.591	3.790	1	4.380	1	4.430	1	G0V+G0V		62484	D	
4833	1 OMI U _{MA}	08 26 07.631	+60 53 14.56		-0.0180	-0.110	3.360	1	4.210	1	4.730	1	G5III		14573	DV?	
4834	3 PI - 1 U _{MA}	08 34 46.703	+65 11 44.92		-0.0039	+0.086	5.64	2	6.26	2	6.33	2	G0V		14609		
4835	4 PI - 2 U _{MA}	08 35 51.956	+64 30 16.82		-0.0081	+0.024	4.61	2	5.78	2	6.94	2	K2III		14616		
4836	8 RHO U _{MA}	08 58 03.973	+67 49 35.21		-0.0036	+0.016	4.76	2	6.29	2	8.17	2	GM3		14742		
4837	11 SIG- 1 U _{MA}	09 04 01.898	+67 04 33.26		-0.0030	-0.041	5.17						K5III		14769		
4838	13 SIG- 2 U _{MA}	09 06 01.131	+67 20 21.67	C	-0.0034	-0.077	4.81	2	5.30	2	5.32	2	F7IV-V		14788	DV?	
4839	14 TAU U _{MA}	09 06 49.121	+63 43 07.21		+0.0149	-0.065	4.67	2	5.02	2	5.17	2	A M		14796	D	
4840	29 UPS U _{MA}	09 47 27.102	+59 16 30.31		-0.0382	-0.153	3.810	1	4.100	1	4.190	1	F2IV		27401	DV	
4841	30 PHI U _{MA}	09 48 43.042	+54 17 56.59	L	-0.0006	+0.017	4.60	2	4.63	2	4.71	2	A3S		27408	D	
4842	63 CHI U _{MA}	11 43 25.030	+48 03 24.16		-0.0138	+0.024	3.720	1	4.900	1	6.060	1	K0III		43886	V?	
4843	52 PSI U _{MA}	11 06 51.583	+44 46 12.60		-0.0064	-0.032	3.010	1	4.150	1	5.270	1	K1III		43629		
4844	45 OME U _{MA}	10 51 06.507	+43 27 23.96		+0.0041	-0.028	4.71	2	4.66	2	4.60	2	A1V		43512		
4845	2 U _{MI}	01 01 30.792	+85 59 24.27		+0.0773	-0.006	4.26	2	5.47	2	6.80	2	K2III		181		16n
4846	3 U _{MI}	14 06 31.564	+74 49 49.51		-0.0162	+0.013	6.33						A3		7953		
4847	4 U _{MI}	14 09 00.558	+77 46 56.76		-0.0108	+0.030	4.87						K3III		7958		
4848	5 U _{MI}	14 27 36.189	+75 55 05.75		+0.0012	+0.020	4.25	2	5.69	2	7.39	2	K4III		8024	D	
4849	6 U _{MI}	14 45 34.278	+72 10 28.52		-0.0081	+0.024	7.40	4					A5		8081		
4850	9 U _{MI}	15 00 21.995	+71 57 39.09		-0.0872	+0.091	6.66	4					G0	4	8140		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4851	17 UMI	15 56 10.522	+75 43 05.22		+0.0014	-0.016	6.94	4					G5	4	8376		
4852	18 UMI	16 05 08.302	+76 55 40.90		-0.0080	+0.015	5.53						A0		8417		
4853	19 UMI	16 12 13.173	+76 00 15.27		-0.0019	+0.012	5.48		5.330				B8		8446		
4854	20 UMI	16 13 45.917	+75 20 06.82		-0.0123	+0.033	6.35						GK3		8452		
4855	24 UMI	17 49 12.248	+86 59 31.94		+0.0694	+0.003	5.79	2	6.04	2	6.11	2	A M		2940		
4856	S UMI	15 31 28.217	+78 46 55.09		-0.0011	-0.040	9.4	6							8267	V	
4857	V UMI	13 37 46.654	+74 33 48.46		+0.0019	+0.008	7.7	6					M4	7	7859	V	
4858	W UMI	16 21 11.053	+86 19 22.57		-0.0103	+0.010	8.7	6					A0	6	2692	V	
4859	HR UMI	14 56 46.802	+66 07 52.18		-0.0139	+0.027	4.59	2	6.18	2	7.77	2	GM5		16558	V	
4860	1 ALP UMI	01 48 48.786	+89 01 43.73		+0.1811	-0.004	2.020	1	2.620	1	3.000	1	F8IR		308	DV	
4861	7 BET UMI	14 50 49.645	+74 21 35.57		-0.0086	+0.010	2.080	1	3.550	1	5.320	1	K4III		8102	V?	
4862	11 GAM- 1 UMI	15 17 07.110	+72 00 19.07		+0.0003	+0.009	5.00						K4III		8207		
4863	13 GAM- 2 UMI	15 20 47.347	+72 00 42.97		-0.0051	+0.019	3.050	1	3.100	1	3.210	1	A3II-III		8220	V?	
4864	23 DEL UMI	17 48 18.338	+86 36 34.78		+0.0107	+0.054	4.36	2	4.38	2	4.41	2	A1V		2947		
4865	22 EPS UMI	16 51 00.905	+82 07 21.53		+0.0052	+0.003	4.23	2	5.13	2	5.68	2	G5III		2770	DV	
4866	16 ZET UMI	15 45 47.812	+77 56 57.09		+0.0045	-0.003	4.32	2	4.36	2	4.41	2	A3V		8328	V?	
4867	21 ETA UMI	16 18 56.288	+75 52 16.64		-0.0232	+0.250	4.97						DA8		8470		
4868	15 THE UMI	15 32 51.271	+77 30 59.57		-0.0164	+0.009	5.14						K5III		8274		
4869	LAM UMI	18 21 21.819	+89 03 03.50		-0.1072	+0.001	6.38	2	7.95	2	9.74	2	M1III		3020		
4870	PI - 1 UMI	15 32 00.234	+80 36 57.35		-0.0944	+0.115	6.58	2	7.25	2	7.38	2	G0IV-V		2556	D	
4871	PI - 2 UMI	15 32 13.135	+80 37 02.33		-0.0862	+0.105	8.6	4					G5	4	2558	D	
4872	A VEL	08 27 29.901	-47 45 40.37		-0.0016	-0.002	5.33	2	5.19	2			BSN		219985	D	
4873	-A VEL	08 44 19.888	-45 51 28.35		-0.0007	-0.002	3.910	1	3.910	1	3.860	1	A0III		220422		
4874	B VEL	08 20 59.274	-48 19 44.43		-0.0018	+0.007	4.82	2	4.67	2	3.83	2	B1V		219848	D	
4875	-B VEL	08 38 57.963	-46 28 12.11		-0.0004	+0.002	3.830	1	4.530	1	4.810	1	F2IA		220265	D	
4876	C VEL	08 33 12.026	-49 46 16.11		+0.0004	+0.017	5.01	2	6.34	2	7.72	2	CG7		220138		
4877	-C VEL	09 02 25.701	-46 53 52.51		-0.0050	-0.016	3.750	1	4.950	1	6.160	1	K2III		220803		
4878	D VEL	08 42 06.427	-49 38 28.34		+0.0025	+0.000	5.16	2	4.96	2	3.94	2	B0VN		220361		
4879	-D VEL	08 42 36.707	-42 28 02.22		-0.0017	+0.016	4.07	2	4.94	2	5.46	2	SGG5		220371	D	
4880	E VEL	08 34 22.442	-50 47 43.88		-0.0008	-0.005	5.80	2	5.67	2			B9SI		236110		
4881	-E VEL	08 35 53.068	-42 48 47.89		-0.0011	+0.005	4.14	2	4.24	2	4.37	2	A9II		220204		
4882	F VEL	08 26 14.281	-52 55 20.63		-0.0078	+0.012	5.09	2	5.34	2			DF3		236002		
4883	-F VEL	08 48 51.592	-46 20 28.98		-0.0006	-0.003	5.10	2	4.89	2	3.91	2	B0III		220561	D	
4884	-G VEL	08 48 03.857	-45 07 15.27		+0.0003	+0.014	5.02						A2		220540		
4885	H VEL	08 54 48.708	-52 31 50.25		-0.0003	+0.006	4.690	1	4.565	1	4.095	1	B5V		236417	D	
4886	-H VEL	08 47 47.351	-40 07 59.83		-0.0013	-0.017	5.49	2	5.55	2			A2		220531		
4887	I- 1 VEL	10 19 02.930	-55 47 26.91		-0.0019	+0.001	4.505	1	4.375	1	3.805	1	B3IV		237959	D	
4888	I- 2 VEL	10 19 03.646	-55 47 27.78		-0.0041	+0.009	8.7	4							237960	D	
4889	-I VEL	10 57 51.272	-41 57 26.45		+0.0019	-0.002	4.39	2	4.50	2	4.62	2	A2IV		222487		
4890	J VEL	09 24 40.297	-53 09 41.95		-0.0011	-0.001	5.11	2	5.00	2			BSN		236972		
4891	K VEL	09 16 25.907	-50 50 23.77		-0.0028	+0.006	5.26	2	5.18	2			B9		236824		
4892	-K- 1 VEL	09 12 57.381	-37 23 37.51		+0.0004	-0.016	5.86	2	6.69	2			G0		200152		
4893	-K- 2 VEL	09 13 44.903	-37 12 14.18		+0.0017	-0.013	4.62	2	5.07	2	5.17	2	F5III		200163	D	
4894	L VEL	09 32 24.600	-51 01 56.19		-0.0016	-0.017	5.01	2	4.82	2			B3		237107		
4895	-L VEL	09 13 38.354	-38 21 38.67		-0.0060	-0.011	4.94	2	6.05	2	7.11	2	GK0		200159		
4896	M VEL	09 35 02.133	-49 07 49.16		-0.0113	+0.025	4.35	2	4.52	2	4.64	2	DA5		221344	D	
4897	-M VEL	09 49 44.638	-46 18 45.25		-0.0013	-0.003	4.58	2	5.78	2	6.77	2	GG4		221553		
4898	N VEL	09 29 42.071	-56 48 47.60		-0.0042	-0.001	3.140	1	4.690	1	6.570	1	K5III		237067	V	
4899	-N VEL	08 39 34.638	-47 08 16.20		-0.0017	+0.006	4.77	2	4.89	2	5.01	2	A5II		220284		
4900	O VEL	09 42 00.250	-53 39 42.38		-0.0079	+0.020	5.56	2	5.52	2			A0V		237268		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G M
4901	-P VEL	10 35 11.696	-47 57 55.69		-0.0158	-0.020	3.840	1	4.140	1	4.210	1	F2+A3		222109	D	
4902	Q VEL	10 07 02.305	-51 33 55.33		-0.0013	-0.001	4.860	1	4.740	1	3.960	1	B2V		227776		
4903	-Q VEL	10 12 37.998	-41 52 25.23		-0.0134	+0.038	3.850	1	3.900	1	3.980	1	A2V		221895		
4904	R VEL	10 04 14.882	-51 56 38.00		-0.0076	+0.013	6.76						G69		237600	V	
4905	-R VEL	10 20 10.666	-41 23 52.28		-0.0026	+0.051	4.83	2	5.95	2	7.04	2	K1III		221908	V?	
4906	S VEL	09 31 19.973	-44 59 10.84		-0.0041	+0.017	7.8	4					A0	4	221270	V	
4907	-S- 1 VEL	10 29 48.165	-44 48 42.95		-0.0017	+0.003	6.101	2	5.951	2			B8		222125	D	161
4908	-S- 2 VEL	10 29 49.063	-44 48 32.64		-0.0005	-0.005	5.752	2	5.602	2			B8		222126	D	162
4909	T VEL	08 36 03.417	-47 11 10.22		+0.0037	-0.011	7.7	4	8.44	7			G5	4	220208	V	
4910	-T VEL	10 30 50.030	-46 44 43.18		-0.0014	+0.000	5.02	2	6.06	2			K4III		222136	D	
4911	U VEL	09 31 20.182	-45 17 33.97		-0.0021	-0.012	8.1	4					MR	4	221290	V	
4912	-U VEL	09 48 00.448	-45 29 55.44		-0.0030	+0.002	5.08	2	4.98	2			B7		221523	D	
4913	V VEL	09 20 45.402	-55 44 47.01		+0.0010	-0.025	7.5	4	8.00	7			G5	4	236893	V	
4914	-W VEL	08 58 13.313	-41 03 29.79		-0.0038	+0.038	4.45	2	5.10	2	5.48	2	F8III		220730	V?	
4915	X VEL	09 53 23.128	-41 20 59.23		-0.0011	-0.035	9.5	4					NB	4	221606	V	
4916	-X- 1 VEL	10 37 18.653	-55 20 32.70		-0.0027	-0.001	4.28	2	5.32	2	6.07	2	G2II		228309	D	
4917	-X- 2 VEL	10 37 24.541	-55 20 46.23		-0.0027	+0.002	6.62	4					B8	4	238313	D	
4918	-Y VEL	09 36 04.084	-42 57 52.13		+0.0022	-0.035	5.50	2	6.50	2	7.17	2	G66		221355		
4919	-Z- 1 VEL	09 12 32.407	-43 01 10.42		-0.0025	+0.008	5.25	2	5.11	2	4.55	2	B5VM		220978	D	
4920	-Z- 2 VEL	10 44 56.117	-56 29 35.34		-0.0019	-0.005	5.26	2	5.18	2			B8		238468		
4921	AA VEL	10 49 13.366	-56 08 41.96		-0.0014	-0.040	10.1	7					B5	6	238531	V	
4922	AC VEL	10 44 17.265	-56 33 56.09		+0.0004	+0.012	8.5	7					B8	6	238458	V	
4923	AH VEL	08 10 25.576	-46 29 36.76		-0.0006	+0.007	5.50		6.100				F8P		2195A7	V	
4924	AI VEL	08 12 26.223	-44 25 21.80		+0.0036	+0.057	6.60	4					F0	4	219640	V	
4925	AL VEL	08 29 35.407	-47 29 46.60		-0.0024	-0.007	9.0	6	9.87	7					220040	V	
4926	AO VEL	08 10 24.019	-48 35 43.69		-0.0021	-0.002	9.3	6					B9	6	219585	V	
4927	AS VEL	08 26 27.552	-38 48 19.20		-0.0037	-0.020	8.8	7					A3	6	199271	V	
4928	AX VEL	08 09 17.294	-47 32 56.46		-0.0018	+0.015	8.6	6	9.16	7			F8	6	219549	V	
4929	BG VEL	09 06 39.122	-51 13 59.96		-0.0008	-0.007	7.5	6	8.56	7			G5	6	236640	V	
4930	CM VEL	10 05 41.390	-53 00 54.89		-0.0016	-0.015	7.8	6					MA	6	237711	V	
4931	CV VEL	08 59 03.648	-51 21 31.73		-0.0012	-0.001	6.72	4					B3	4	236495	V	
4932	CW VEL	09 00 49.215	-52 38 36.08		-0.0015	-0.011	9.5	7					B9	6	236527	V	
4933	FY VEL	08 30 51.384	-49 25 50.11		-0.0015	-0.016	7.00	4	7.19	7	6.49	7	B2IBPE	7	220069	V	
4934	FZ VEL	08 57 10.346	-47 02 24.93		-0.0090	+0.052	5.18	2	5.43	2			F0III		220717	DV	
4935	GG VEL	09 10 58.303	-43 16 52.18		-0.0010	-0.007	8.1	6					A0	6	220955	V	
4936	GI VEL	09 23 10.048	-45 09 35.20		-0.0017	-0.019	8.1	6	9.76	7			MB	6	221144	V	
4937	GK VEL	09 23 14.783	-43 45 38.61		-0.0026	+0.030	6.45	4	8.02	7	9.65	7	M5III	7	221146	V	
4938	GL VEL	09 25 06.355	-53 17 49.95		-0.0015	+0.008	7.5	6					MB	6	236983	V	
4939	RY VEL	10 18 48.110	-55 04 08.79		+0.0007	+0.011	7.89	7	8.97	7			K2	6	237949	V	
4940	RZ VEL	08 35 17.673	-43 56 21.35		-0.0018	+0.002	7.5	4	8.25	7			K0	4	220186	V	
4941	SW VEL	08 41 59.784	-47 13 17.95		-0.0038	-0.006	8.8	4	9.52	7			K2	4	220356	V	
4942	SX VEL	08 43 12.409	-46 09 37.12		-0.0008	-0.003	8.5	4	9.24	7			G5	4	220388	V	
4943	SY VEL	09 10 34.847	-43 34 15.85		-0.0023	+0.015	8.9	7					MB	6	220949	V	
4944	TU VEL	10 16 30.820	-44 59 29.30		-0.0054	+0.012	9.3	6					G0	6	221949	V	
4945	WY VEL	09 20 20.945	-52 21 00.92		-0.0006	-0.014	8.8	7					MA	6	236888	V	
4946	WZ VEL	10 15 31.820	-47 41 48.69		-0.0022	-0.002	9.0	6					MB	6	221936	V	
4947	GAM- 1 VEL	08 07 56.809	-47 11 50.48		-0.0009	-0.006	4.27	2	4.03	2			B3N		219501	D	
4948	GAM- 2 VEL	08 07 59.465	-47 11 18.31		-0.0006	+0.004	1.830	1	1.580	1	0.640	1	WC 7+07?		219584	DV?	
4949	DEL VEL	08 43 19.382	-54 31 28.26		+0.0025	-0.079	1.960	1	2.000	1	2.070	1	A0V		236232	D	
4950	KAP VEL	09 20 33.853	-54 47 47.30		-0.0009	+0.008	2.500	1	2.320	1	1.570	1	B2IV		236891		

TABLE 3 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T. NO.	STAR PROP.	G N
4951	LAM VEL	09 06 09.310	-43 13 47.60		-0.0020	+0.012	2.210	1	3.860	1	5.670	1	K5III		220878	OV	
4952	MU VEL	10 44 36.818	-49 09 19.66		+0.0072	-0.050	2.690	1	3.590	1	4.160	1	G5III		222321	G	
4953	OMI VEL	08 38 51.636	-52 44 37.10		-0.0022	+0.019	3.600	1	3.420	1	2.800	1	B3III		236164	V	
4954	PHI VEL	09 55 06.249	-54 19 44.85		-0.0014	+0.005	3.540	1	3.460	1	2.830	1	B5II		237522	D	
4955	PSI VEL	09 28 43.692	-40 14 49.28	C	-0.0165	+0.069	3.600	1	3.960	1	3.890	1	F2IV		221234	OV?	
4956	16 VIR	12 07 07.504	+02 10 42.92		+0.0028	-0.183	5.95	2	7.07	2	8.20	2	GK3		119245		
4957	11 VIR	12 07 30.460	+06 05 05.82		-0.0108	+0.016	5.73	2	6.08	2	6.25	2	A M		119249		
4958	12 VIR	12 10 53.133	+10 32 25.23		-0.0065	-0.019	5.79		6.060				A M		99997		
4959	13 VIR	12 16 06.363	-00 30 33.74		+0.0017	-0.020	5.90	2	6.07	2	6.20	2	A3		138710		
4960	14 VIR	12 16 45.613	-08 38 12.56		+0.0000	-0.027	7.03	4					K0	4	138716	D	
4961	17 VIR	12 19 59.426	+05 35 00.03		-0.0113	-0.057	6.40	2	7.00	2	7.08	2	DF7		119360	D	
4962	20 VIR	12 30 30.989	+10 34 16.70		-0.0038	-0.001	6.34						G67		100146		
4963	27 VIR	12 39 03.153	+10 42 01.54		-0.0075	+0.000	6.30						A5		100207	V?	
4964	28 VIR	12 39 22.327	-07 13 32.04		+0.0006	-0.046	7.21	4					K5	4	138920		
4965	33 VIR	12 43 50.043	+09 49 08.75		+0.0186	-0.450	5.67	2	6.66	2	7.40	2	K1IV		119580		
4966	34 VIR	12 44 42.587	+12 13 52.05		+0.0028	-0.023	6.05						A3		100260		
4967	35 VIR	12 45 18.552	+03 50 43.38		-0.0006	-0.007	6.41	2	8.01	2	9.83	2	GM4		119506		
4968	37 VIR	12 49 04.062	+03 19 41.53		-0.0025	+0.016	3.89	2	3.75	2	3.18	2	GK4		119633		
4969	38 VIR	12 50 37.388	-03 16 54.20		-0.0174	-0.006	6.11	2	6.61	2	6.65	2	DF6		139022		
4970	41 VIR	12 51 19.121	+12 41 23.78		+0.0034	-0.029	6.25	2	6.52	2	6.57	2	A M		100322		
4971	46 VIR	12 58 01.260	+03 06 00.31		-0.0019	+0.046	5.99	2	7.11	2	8.20	2	GK2		139096	G	
4972	48 VIR	13 01 19.652	-03 23 40.75		-0.0026	-0.040	6.59	2	6.88	2	6.99	2	A7N		139131	G	
4973	49 VIR	13 05 16.406	-10 28 24.61		+0.0009	-0.012	5.19	2	6.33	2	7.45	2	K1III		157739		
4974	50 VIR	13 07 08.029	-10 03 47.22		-0.0008	-0.018	5.94	2	7.43	2	9.12	2	GK5		157760	V?	
4975	53 VIR	13 09 23.596	-15 55 45.72		+0.0065	-0.292	5.04	2	5.50	2	5.52	2	F6IV		157788		
4976	54 A VIR	13 10 46.153	-18 33 42.09		-0.0016	-0.022	6.8	4					A0		157798	D	
4977	54 B VIR	13 10 46.352	-18 33 36.70		-0.0020	-0.015	7.3	4							157709	D	
4978	55 VIR	13 11 30.040	-19 40 07.08		-0.0088	+0.162	5.63						DG6		157806		
4979	56 VIR	13 12 07.590	-10 06 20.17		-0.0023	-0.054	7.21	4					K5	4	157811		
4980	57 VIR	13 13 16.230	-19 40 39.95		+0.0215	-0.121	5.22	2	6.26	2			K1IV		157823		
4981	58 VIR	13 14 49.849	-10 17 00.19		-0.0057	+0.009	7.22	4					F0	4	157837		
4982	61 VIR	13 15 47.057	-18 02 01.31		-0.0754	-1.072	4.740	1	5.450	1	5.710	1	G6V		157844		
4983	62 VIR	13 17 42.169	-11 02 31.04		-0.0085	-0.015	6.81	4					K0	4	157869		
4984	63 VIR	13 20 20.138	-17 28 26.35		-0.0035	-0.034	5.45						K0III		157899	V?	
4985	64 VIR	13 19 38.322	+05 24 59.08		-0.0045	-0.040	5.87	2	5.99	2	6.09	2	A M		119905		
4986	65 VIR	13 20 43.231	-04 39 48.26		-0.0014	-0.020	5.89	2	7.32	2	8.98	2	GK3		139308		
4987	66 VIR	13 21 56.859	-04 54 11.82		+0.0104	-0.035	5.76						DF3		139324		
4988	69 VIR	13 24 46.868	-15 42 53.55		-0.0085	+0.019	4.75	2	5.85	2	6.91	2	K1III		157946	V?	
4989	70 VIR	13 25 59.001	+14 02 42.77		-0.0164	-0.581	4.98	2	5.69	2	5.95	2	G5V		100582		
4990	71 VIR	13 26 44.290	+11 04 36.69		-0.0042	-0.044	5.68						G69		100592		
4991	73 VIR	13 29 20.719	-18 28 18.39		-0.0069	-0.019	5.93						A4M		157987	D	
4992	75 VIR	13 30 11.071	-15 06 23.40		-0.0053	-0.007	5.65						GK2		157998		
4993	77 VIR	13 30 47.578	-07 21 59.21		-0.0052	-0.001	7.08	4					F0	4	139407		
4994	80 VIR	13 32 55.011	-05 08 31.82		+0.0009	+0.079	5.73	2	6.68	2	7.33	2	G6III		139428		
4995	81 VIR	13 34 57.840	-07 37 02.04		-0.0008	-0.004	7.11	4					K2	4	139447	D	
4996	83 VIR	13 41 47.649	-15 55 42.06		+0.0006	-0.011	5.60	2	6.41	2	6.82	2	G0II		158131		
4997	84 VIR	13 40 32.775	+03 47 25.06		-0.0196	-0.074	5.37	2	6.47	2	7.52	2	K2III		120082	OV?	
4998	85 VIR	13 42 53.232	-15 31 01.28		-0.0033	-0.029	6.15						A0		158147		
4999	86 VIR	13 43 16.173	-12 10 36.19		-0.0014	+0.002	5.82						G67		158152	D	
5000	87 VIR	13 44 41.863	-17 36 37.17		+0.0039	-0.039	5.44	2	7.05	2	8.98	2	M1III		158165		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N	
5001	88	VIR	13 45	40.815	-06 35	18.80		-0.0027	-0.021	6.59	4					K0	4	139559			
5002	89	VIR	13 47	08.966	-17 53	09.12		-0.0071	-0.041	5.11						K1III		158186			
5003	92	VIR	13 53	54.861	+01 17	39.69		-0.0019	+0.010	5.91	2	6.11	2	6.25	2	A3		120185			
5004	94	VIR	14 03	38.658	-08 39	13.93		-0.0001	+0.017	6.56	4					A0	4	139732			
5005	95	VIR	14 04	03.906	-09 04	32.68		-0.0096	+0.006	5.46	2	5.80	2			A8N		139736			
5006	96	VIR	14 06	20.481	-10 05	54.66		-0.0006	+0.020	6.48						GG7		158385			
5007	97	VIR	14 09	53.309	-09 39	57.37		+0.0026	-0.024	7.29	4					F0	4	139785			
5008	103	VIR	14 19	23.719	-01 45	37.73		-0.0046	-0.011	6.75	4					A2	4	139800			
5009	104	VIR	14 24	46.655	-05 53	44.69		-0.0050	-0.062	6.16						A1		139942			
5010	106	VIR	14 26	03.238	-06 40	37.20		-0.0014	-0.059	5.74						GK5		139957			
5011	108	VIR	14 42	57.203	+00 55	38.42		-0.0027	-0.010	5.47		5.440				B9		120642			
5012	109	VIR	14 43	43.083	+02 06	08.97		-0.0076	-0.031	3.730	1	3.720	1	3.690	1	A0V		120648			
5013	110	VIR	15 00	22.276	+02 17	11.29		-0.0037	+0.008	4.40	2	5.44	2	6.31	2	K0III		120809			
5014	4	A- 1	VIR	11 45	20.756	+08 31	25.26		-0.0040	+0.008	5.32	2	5.34	2	5.38	2	A1		119058		
5015	6	A- 2	VIR	11 52	29.222	+08 43	19.27		-0.0020	+0.013	5.58	2	6.52	2	7.19	2	GK0		119111		
5016	7	-B	VIR	11 57	23.194	+03 56	01.03		-0.0014	-0.014	5.37	2	5.37	2	5.37	2	A1		119156		
5017	16	-C	VIR	12 17	48.540	+03 35	27.07		-0.0196	-0.070	4.96	2	6.12	2	7.27	2	K1III		119341	V?	
5018	31	-D- 1	VIR	12 39	25.039	+07 04	50.99		-0.0047	-0.016	5.59	2	5.59	2	5.57	2	B9		119538	0	
5019	32	-D- 2	VIR	12 43	05.423	+07 56	47.16		-0.0074	+0.000	5.22	2	5.55	2	5.70	2	A M		119574		
5020	59	-E	VIR	13 14	17.531	+09 41	05.64		-0.0227	+0.187	5.22	2	5.80	2	5.89	2	F8V		119847	0	
5021	25	-F	VIR	12 34	12.656	-05 33	23.59		-0.0022	-0.022	5.90					A0		138873			
5022		-G	VIR	13 05	55.822	-08 43	01.10		-0.0025	-0.066	5.55	2	6.73	2	7.91	2	GK3		139175		
5023	76	-H	VIR	13 30	19.814	-09 54	28.93		-0.0023	-0.041	5.21	2	6.17	2	6.77	2	K0III		139401		
5024	68	-I	VIR	13 24	04.412	-12 26	53.17		-0.0092	-0.025	5.26	2	6.79	2	8.55	2	M0III		157938	V?	
5025	44	-K	VIR	12 57	04.803	-03 32	33.43		-0.0027	+0.003	5.79	2	5.97	2	6.05	2	A2		139086	0	
5026	72	-L- 1	VIR	13 27	48.983	-06 12	45.99		+0.0026	+0.012	6.07					A5		139370	DV?		
5027	74	-L- 2	VIR	13 29	21.721	-05 59	53.73		-0.0069	-0.047	4.69	2	6.29	2	8.25	2	GM3		139390		
5028	82	-M	VIR	13 38	59.047	-08 27	05.13		-0.0067	+0.035	5.16					M2III		139490			
5029	78	-O	VIR	13 31	35.762	+03 54	54.36		+0.0028	-0.029	4.94	2	4.96	2	4.96	2	A2P	2	120004	V	
5030	90	-P	VIR	13 52	07.925	-01 15	28.42		-0.0055	-0.029	5.15	2	6.23	2	7.31	2	K2III		139613		
5031	21	-Q	VIR	12 31	11.720	-09 10	35.01		-0.0057	+0.001	5.48	2	5.45	2	5.35	2	A0		138845		
5032		R	VIR	12 35	57.669	+07 15	47.01		-0.0019	-0.008	6.2					GM4E		119509	V		
5033		S	VIR	13 30	23.507	-06 56	18.80		+0.0031	-0.010	6.0					GM7E		139403	V		
5034		T	VIR	12 12	02.572	-05 45	28.53		-0.0002	-0.000	8.2	4				M6E	4	138666	V		
5035		U	VIR	12 48	33.491	+05 49	30.60		-0.0000	+0.007	7.7	4				M4E	4	119627	V		
5036		V	VIR	13 25	13.084	-02 54	50.81		+0.0005	-0.001	8.0	4				M3E	4	139350	V		
5037		W	VIR	13 23	26.923	-03 07	08.78		+0.0005	+0.006	9.5	4	10.03	7		G0	4	139335	V		
5038		-Y	VIR	13 32	00.689	-12 57	31.06		-0.0033	-0.016	5.81					A1P		158021	DV?		
5039		Z	VIR	14 07	39.452	-13 04	08.37		+0.0098	-0.120	9.9	7						158394	V		
5040	AG		VIR	11 58	29.756	+13 17	13.13		-0.0006	-0.033	8.7	6	8.97	7		A0	6	99908	V		
5041	AH		VIR	12 11	47.864	+12 05	55.26		+0.0015	-0.111	9.1	6				K0	6	100003	V		
5042	AL		VIR	14 08	26.833	-13 04	32.93		-0.0036	-0.019	9.0	6	9.40	7		F5	6	158406	V		
5043	AN		VIR	14 15	16.853	-14 28	35.50		-0.0006	+0.005	9.0	6				M5	6	158473	V		
5044	AY		VIR	13 49	15.948	-03 25	45.76		+0.0001	-0.013	9.3	6				MB	6	139594	V		
5045	BD		VIR	13 23	59.767	-15 50	41.85		-0.0011	+0.009	9.4	6				A5	6	157936	V		
5046	BF		VIR	13 45	18.572	-00 20	45.86		+0.0002	-0.025	9.2	6				A0	6	139552	V		
5047	BG		VIR	14 44	33.749	+05 05	38.63		+0.0002	+0.002	9.0	6				MB	6	120658	V		
5048	BK		VIR	12 27	48.073	+04 41	34.48		-0.0043	-0.021	8.2	6				MC	6	119433	V		
5049	CE		VIR	13 46	42.444	-01 40	52.00		-0.0045	+0.001	8.8	6				K2	6	139574	V		
5050	CH		VIR	12 17	46.864	-08 43	21.01		-0.0014	+0.006	9.0	6				MC	6	138725	V		

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G II
5051	CI VIR	12 30 35.751	+07 31 33.42		+0.0006	-0.023	9.2	6					MC	6	119463	V	
5052	CN VIR	12 56 17.078	+08 28 46.77		+0.0004	-0.016	8.4	6					MA	6	119600	V	
5053	CO VIR	13 01 24.450	+07 20 08.69		-0.0025	-0.021	8.9	6					MB	6	119746	V	
5054	CP VIR	13 54 29.643	+06 49 06.19		-0.0017	-0.012	8.8	6					MB	6	120191	V	
5055	CQ VIR	14 18 55.990	+06 40 14.44		-0.0005	-0.031	9.3	6					K	6	120410	V	
5056	CS VIR	14 15 52.016	-18 29 07.67		-0.0045	-0.047	5.89		5.900				A P		158491	V	
5057	CU VIR	14 09 43.750	+02 38 38.06		-0.0034	-0.031	5.02	2	4.90	2	4.46	2	A SI		120339	OV	
5058	CW VIR	= 78 -0 VIR															
5059	DK VIR	13 13 51.276	-01 07 34.94		-0.0037	-0.017	6.49		6.79	7			F0		139254	V	
5060	DL VIR	13 49 54.732	-18 27 45.03		-0.0032	+0.023	7.0	6							158210	V	
5061	DM VIR	14 05 12.032	-10 54 54.12		-0.0018	+0.001	8.9	6					F5	6	158369	V	
5062	DN VIR	14 08 38.935	-10 14 38.68		-0.0009	-0.008	8.7	6					MB	6	158411	V	
5063	EP VIR	12 44 29.852	+06 13 27.05		+0.0022	-0.047	6.35		6.29				A4P	7	119585	V	
5064	EQ VIR	13 32 06.611	-08 05 06.74		-0.0186	-0.098	9.0	6					K7VE	7	139419	V	
5065	ER VIR	14 03 59.164	-13 58 00.77		-0.0008	-0.020	6.69	4					MB	6	158357	V	
5066	ES VIR	14 05 58.503	-08 37 31.27		-0.0013	-0.009	8.2	6					MP	6	139753	V	
5067	ET VIR	14 08 06.328	-16 04 00.12		+0.0002	-0.011	4.91		6.61				GM3		158401	V	
5068	EU VIR	14 09 36.350	-18 30 42.77		-0.0014	-0.001	9.0	6					M4	6	158421	V	
5069	EV VIR	14 10 27.235	-13 37 33.62		-0.0032	-0.024	7.18	4					MB	6	158431	V	
5070	EY VIR	14 16 28.980	-13 12 06.70		+0.0012	-0.022	8.7	6					M5	6	158492	V	
5071	EZ VIR	14 18 17.315	-18 45 49.46		+0.0000	+0.002	8.3	6					M1	6	158504	V	
5072	FF VIR	14 23 22.973	+01 13 03.86		-0.0024	-0.045	7.01	4	7.00	7			A2P	7	120452	V	
5073	FG VIR	12 11 41.613	-05 26 24.64		-0.0056	+0.114	6.54	4					A5	6	138664	OV	
5074	FH VIR	13 13 52.749	+06 46 08.32		-0.0014	-0.050	7.22	4	8.76	7	10.26	7	M6III	7	119843	V	
5075	RT VIR	13 00 05.701	+05 27 15.23		+0.0014	-0.024	8.2	6					MAP	6	119734	V	
5076	RW VIR	12 04 41.092	-06 29 14.88		-0.0013	+0.015	7.0	4					MB	4	138594	V	
5077	RX VIR	12 02 11.163	-05 29 41.55		-0.0023	+0.024	8.7	6					K0	7	138566	V	
5078	RY VIR	13 39 00.650	-18 53 02.93		-0.0035	+0.005	8.0	6					M2	6	158092	V	
5079	SW VIR	13 11 29.747	-02 32 32.59		-0.0042	+0.004	7.9	6					M7III	7	139236	V	
5080	TY VIR	11 49 16.770	-05 29 00.24		-0.0017	-0.046	8.0	6	9.27	7			K2	6	138451	V	
5081	TZ VIR	12 02 02.341	+02 53 52.85		+0.0005	-0.030	9.0	6					MA	6	119203	V	
5082	UW VIR	13 12 40.468	-17 12 25.58		-0.0068	-0.038	9.1	6					A2	6	157818	V	
5083	UY VIR	12 59 13.446	-19 30 19.44		+0.0006	-0.050	7.8	6					A3	6	157664	V	
5084	67 ALP VIR	13 22 33.301	-10 54 03.36		-0.0029	-0.033	9.70	1	0.740	1	-0.200	1	B1V		157923	V	
5085	5 BET VIR	11 48 05.387	+02 02 47.61		+0.0494	-0.275	3.600	1	4.150	1	4.260	1	F8V		119076		
5086	29 GAM VIR	12 39 07.452	-01 10 31.58	C	-0.0379	+0.008	2.740	1	3.100	1	3.070	1	F0V+F0V		138917	OV?	
5087	43 DEL VIR	12 53 04.986	+03 40 07.60		-0.0314	-0.058	3.380	1	4.970	1	6.760	1	M3III		119674		
5088	47 EPS VIR	12 59 41.210	+11 13 38.90		-0.0187	+0.017	2.840	1	3.780	1	4.520	1	G9II-III		100384	V?	
5089	79 ZET VIR	13 32 08.554	-00 20 27.51		-0.0191	+0.036	3.380	1	3.500	1	3.580	1	A3VN		139420		
5090	15 ETA VIR	12 17 20.761	-00 23 20.65		-0.0043	-0.022	3.900	1	3.920	1	3.990	1	A2V		138721	V?	
5091	51 THE VIR	13 07 21.476	-05 16 21.11		-0.0023	-0.037	4.38	2	4.37	2	4.38	2	A1V		139189	D	
5092	99 IOT VIR	14 13 23.345	-05 45 46.18		-0.0006	-0.432	4.09	2	4.60	2	4.63	2	F7IV		139824	V?	
5093	98 KAP VIR	14 10 13.451	-10 02 30.80		+0.0004	+0.136	4.21	2	5.53	2	7.00	2	K3III		158427		
5094	100 LAM VIR	14 16 23.969	-13 08 30.89		-0.0013	+0.024	4.52	2	4.65	2	4.74	2	A M		158489	V?	
5095	107 MU VIR	14 40 25.283	-05 26 30.92		+0.0070	-0.321	3.880	1	4.260	1	4.250	1	F3IV		140090		
5096	3 NU VIR	11 43 17.340	+06 48 34.72		-0.0014	-0.187	4.040	1	5.540	1	7.320	1	M1III		119035		
5097	2 XI VIR	11 42 42.410	+08 32 10.50		+0.0040	-0.022	4.85	2	5.03	2	5.13	2	A4		119029		
5098	9 OMI VIR	12 02 39.704	+09 00 38.34		-0.0149	+0.043	4.12	2	5.11	2	5.75	2	G8III		119213		
5099	8 PI VIR	11 58 18.616	+06 53 35.14		-0.0001	-0.034	4.67	2	4.80	2	4.90	2	A4V		119164		
5100	30 RHO VIR	12 39 21.180	+10 30 39.16		+0.0057	-0.095	4.88	2	4.97	2	5.00	2	A0V		100211		

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OF POOR QUALITY

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
5101	60 SIG VIR	13 15 04.685	+05 43 57.99		-0.0005	+0.011	4.81	2	6.48	2	8.43	2	GM2		119855		
5102	93 TAU VIR	13 59 05.942	+01 47 08.46		+0.0011	-0.025	4.26	2	4.36	2	4.49	2	A3III		120238	D	
5103	102 UPS VIR	14 16 57.685	-02 02 06.82		-0.0080	-0.072	5.24						G8III		139866	V?	
5104	105 PHI VIR	14 25 37.362	-02 00 17.26		-0.0094	-0.005	4.82	2	5.56	2	5.77	2	G2III		139951	DV?	
5105	26 CHI VIR	12 36 39.749	-07 43 14.48		-0.0053	-0.031	4.67	2	5.89	2	7.25	2	K2III		138802		
5106	40 PSI VIR	12 51 44.944	-09 16 03.92		-0.0019	-0.020	4.80	2	6.39	2	7.94	2	M3III		139033	V	
5107	1 OME VIR	11 35 52.896	+08 24 40.36		-0.0007	+0.002	5.37	2	6.94	2	8.44	2	M4.5III	7	118965	V	
5108	ALP VOL	09 01 39.796	-66 11 46.16		+0.0007	-0.102	4.005	1	4.155	1	4.295	1	A5V		250422		
5109	BET VOL	08 25 11.955	-65 58 11.00		-0.0052	-0.161	3.770	1	4.900	1	6.030	1	K2III		250228	V?	
5110	GAM- 1 VOL	07 09 08.228	-70 24 57.88		+0.0017	+0.097	5.718	1	6.628	1	7.238	1	DF4		256373	DV?	163
5111	GAM- 2 VOL	07 09 10.804	-70 25 04.75		+0.0052	-0.102	3.778	1	4.688	1	5.298	1	G8III		256374	DV?	164
5112	DEL VOL	07 16 51.659	-67 51 56.77		-0.0011	-0.004	3.980	1	4.850	1	5.210	1	F8II		249809		
5113	EPS VOL	08 07 46.613	-68 28 12.52		-0.0042	+0.021	4.350	1	4.230	1	3.770	1	B5III		250128	D	
5114	ZET VOL	07 42 26.985	-72 29 10.68		+0.0068	+0.016	3.940	1	4.980	1	5.820	1	K0III		256438	D	
5115	ETA VOL	08 22 32.621	-73 14 18.99		-0.0058	+0.011	5.29	2	5.30	2	5.29	2	A1		256505	D	
5116	THE VOL	08 38 54.785	-70 12 29.53		+0.0040	-0.048	5.20	2	5.21	2	5.18	2	A0		256535	D	
5117	IOT VOL	06 52 01.688	-70 54 05.41		+0.0003	+0.018	5.40	2	5.29	2	4.91	2	B6IV		256344		
5118	KAP- 1 VOL	08 19 58.562	-71 21 20.90		-0.0020	+0.026	5.37	2	5.31	2	5.00	2	B9		256497	D	
5119	KAP- 2 VOL	08 20 09.985	-71 20 45.60		-0.0010	+0.040	5.65	2	5.55	2	5.24	2	A P		256499	D	
5120	1 VOL	19 14 03.973	+21 18 03.13		-0.0004	-0.001	4.77	2	4.73	2	4.18	2	B3IV		87010	DV?	
5121	3 VOL	19 20 47.905	+26 09 54.85		-0.0002	-0.008	5.18	2	5.06	2	4.53	2	B6III		87136	V?	
5122	4 VOL	19 23 16.878	+19 41 57.23		+0.0066	-0.063	5.19		6.160				K0III		104818	D	
5123	5 VOL	19 24 02.155	+19 59 49.81		+0.0001	-0.034	5.63		5.580				A0V		104831		
5124	7 VOL	19 27 09.914	+20 10 31.11		-0.0000	-0.019	6.34		6.230				B5V		87269		
5125	8 VOL	19 26 51.753	+24 39 51.71		-0.0001	+0.016	5.83						G66		87267		
5126	9 VOL	19 32 23.047	+19 39 46.38		+0.0005	+0.003	4.99	2	4.92	2	4.49	2	B7V		104990	D	
5127	10 VOL	19 41 38.098	+25 39 03.92		+0.0008	+0.022	5.34						G8III		87633		
5128	12 VOL	19 48 54.839	+22 28 53.99		+0.0015	-0.017	4.96	2	4.84	2	4.15	2	B3VE		87813		
5129	13 VOL	19 51 20.091	+23 56 52.78		+0.0019	+0.040	4.58	2	4.52	2	4.39	2	A0III		87883	D	
5130	14 VOL	19 57 01.719	+22 57 50.35		-0.0052	+0.009	5.63						F0		88016		
5131	15 VOL	19 59 02.403	+27 36 51.43		+0.0044	+0.010	4.65	2	4.83	2	4.99	2	A M		88071		
5132	16 VOL	19 59 54.081	+24 47 48.51		+0.0064	+0.072	5.21						F5II		88098	D	
5133	17 VOL	20 04 44.396	+23 28 08.95		+0.0010	+0.005	4.96						B3V		88212		
5134	18 VOL	20 08 28.186	+26 45 17.63		+0.0014	+0.016	5.53	2	5.61	2	5.74	2	A3III		88295		
5135	19 VOL	20 09 42.523	+26 39 31.53		+0.0004	-0.007	5.49	2	6.90	2	8.40	2	K3II-III		88330		
5136	20 VOL	20 09 54.805	+26 19 42.13		+0.0005	-0.008	5.92	2	5.81	2	5.38	2	B7VE?		88339		
5137	21 VOL	20 12 11.169	+28 32 31.88		+0.0009	-0.019	5.12						A3		88391		
5138	22 VOL	20 13 20.548	+23 21 17.26		-0.0001	-0.012	5.15	2	6.19	2	6.90	2	G2IB		88416		
5139	23 VOL	20 13 41.706	+27 39 35.21		-0.0028	+0.011	4.52	2	5.78	2	6.89	2	K3III		88428		
5140	24 VOL	20 14 38.627	+24 30 57.46		+0.0012	-0.015	5.32						G8III		88451		
5141	25 VOL	20 19 54.342	+24 17 07.72		-0.0001	-0.004	5.43		5.410				B1IVE		88580		
5142	26 VOL	20 33 59.613	+25 42 29.34		+0.0013	+0.014	6.22		6.450				A4III		88884		
5143	27 VOL	20 34 56.567	+26 17 12.96		+0.0010	-0.005	5.42		5.340				B9V		88903		
5144	28 VOL	20 36 21.123	+23 56 22.38		+0.0007	+0.001	5.01						B5V		88945		
5145	29 VOL	20 36 17.248	+21 01 28.67		+0.0050	+0.008	4.82	2	4.80	2	4.73	2	A0V		88944		
5146	30 VOL	20 42 42.565	+25 05 26.59		-0.0023	-0.175	4.91	2	6.10	2	7.28	2	K2III		89084		
5147	31 VOL	20 49 59.145	+26 54 31.77		-0.0051	-0.061	4.61	2	5.43	2	5.89	2	G8III		89208		
5148	32 VOL	20 52 25.638	+27 51 59.34		-0.0002	+0.002	5.10						K4III		89272	V?	
5149	33 VOL	20 56 02.128	+22 07 53.72		-0.0003	+0.001	5.33						GK4		89332		
5150	34 VOL	21 18 48.631	+23 38 39.63		+0.0174	-0.123	5.57	2	6.62	2	7.53	2	K0III-IV		89640		165

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY DESIGNATIONS

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
5151	35	VUL	21 25 27.709		+0.0032	+0.023	5.36		5.400				A1V		89720		
5152	R	VUL	21 02 09.306		+0.0017	+0.007	7.1	4					M4E	4	89429	V	
5153	S	VUL	19 46 20.662		-0.0009	-0.006	10.2	4					M2	4	87743	V	
5154	T	VUL	20 49 20.753		+0.0001	+0.000	5.4		5.87	7			F5IB		89216	V	
5155	U	VUL	19 34 26.480		-0.0003	-0.010	6.6		7.74	7			G5		87447	V	
5156	X	VUL	19 55 23.908		+0.0008	+0.003	8.46	7	9.73	7			K2	6	87940	V	
5157	Z	VUL	19 19 35.302		+0.0004	-0.000	7.38	7					B4V+A2-3II	7	87113	V	
5158	AT	VUL	19 51 50.352		-0.0003	+0.002	9.0	6					A0	6	87898	V	
5159	BE	VUL	20 23 27.694		-0.0007	-0.013	9.2	6					A0	6	88663	V	
5160	BW	VUL	20 52 14.918		+0.0004	-0.007	6.44						B2II		89265	V	
5161	DR	VUL	20 11 41.183		+0.0015	-0.006	8.5	6					B8	6	88380	V	
5162	DY	VUL	21 01 16.739		-0.0002	-0.013	7.5	6					MR	6	89414	V	
5163	ER	VUL	21 00 16.429		+0.0062	+0.007	7.5	6					G0	6	89396	V	
5164	2 ES	VUL	19 15 36.580		-0.0000	-0.004	5.30						B0.5IV		87036	DV	
5165	FI	VUL	20 46 38.309		+0.0007	-0.013	8.1	6					M3	6	89156	V	
5166	LT	VUL	19 01 33.664		+0.0015	-0.020	6.46						F2III	7	86763	V	
5167	RS	VUL	19 15 32.252		+0.0010	+0.005	6.9	4					B8	4	87035	V	
5168	RT	VUL	19 09 21.191		-0.0006	-0.019	7.5	7					B8	7	86909	V	
5169	SV	VUL	19 49 27.798		+0.0004	+0.000	6.73	7	7.87	7			F7IAB-K0IA	7	87829	V	
5170	6 ALP	VUL	19 26 37.410		-0.0093	-0.103	4.45	2	5.95	2	7.77	2	M0III		87261		

TABLE 4
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1	RU	SCL	00 00 14.336	-25 13 24.61	+0.0034	-0.007	9.2	6	9.28	7			A0	6	166011	V	
2	TW	AND	00 00 43.893	+32 34 03.23	+0.0052	+0.002	8.9	6							53603	V	
3	2	CET	00 01 10.761	-17 36 51.40	+0.0017	-0.004	4.56	2	4.52	2	4.40	2	B9IV		147059		
4	9	CAS	00 01 38.273	+62 00 34.13	-0.0007	+0.012	5.89		6.160				A0III		10954		
5	3	CET	00 01 56.533	-10 47 15.98	-0.0006	-0.007	5.16						K3I8		147066	V?	
6	33	PSC	00 02 46.530	-05 59 13.96	-0.0008	+0.094	4.61	2	5.65	2	6.52	2	K1III		128572		
7	86	PEG	00 03 07.764	+13 07 05.39	+0.0031	+0.005	5.48						GG5		91701		
8		SCL	00 03 41.224	-33 05 40.72	+0.0002	+0.014	7.3	6					MD	6	192357	V	
9	10	CAS	00 03 49.656	+63 55 04.66	+0.0014	+0.005	5.44		5.420				B8		10978		
10	4	CET	00 05 10.335	-02 49 37.30	+0.0016	+0.003	6.43	2	6.29	2	5.81	2	A0N		128595		42
11	5	CET	00 05 38.407	-02 43 33.57	+0.0004	-0.004	6.05	2	7.43	2	8.59	2	GK2		128602		43
12	21	ALP	00 05 47.841	+28 48 52.12	+0.0104	-0.158	2.060	1	1.950	1	1.480	1	B9P		73765		
13	YY	SCL	00 05 56.348	-26 15 23.89	-0.0002	+0.008	8.1	6	9.68	7	11.28	7	M0	6	166074	V	
14	87	PEG	00 06 27.408	+17 56 02.94	+0.0096	-0.020	5.48						GG9		01734		
15	11	BET	00 06 29.735	+58 52 26.77	+0.0679	-0.177	2.270	1	2.610	1	2.730	1	F2IV		21133	DV	
16	KAP-1	SCL	00 06 48.219	-28 15 57.79	+0.0054	-0.001	5.40		5.820				DF2		166083	D	
17	EPS	PHE	00 06 52.775	-46 01 23.71	+0.0124	-0.177	3.880	1	4.910	1	5.750	1	K0III		214983		
18	34	PSC	00 07 27.872	+10 52 03.14	+0.0027	+0.002	5.47		5.410				B8V		91750	D	
19	22	AND	00 07 42.744	+45 47 38.93	+0.0006	+0.005	5.04	2	5.44	2	5.70	2	F2II		36123		
20		GAM-3	00 07 48.524	-82 30 07.23	-0.0101	-0.014	5.28	2	6.33	2	7.25	2	G68		258215		
21	SX	CAS	00 08 04.443	+54 36 48.35	+0.0012	+0.004	8.9	6					A7	6	21169	V	
22	AC	CET	00 08 25.192	-18 51 01.90	-0.0012	-0.020	7.8	6	9.22	7			M5III	7	147130	V	
23	6	-F	00 08 43.198	-15 44 32.63	-0.0056	-0.264	4.89	2	5.38	2			F6V		147133		
24	KAP-2	SCL	00 09 02.232	-28 04 41.40	+0.0009	+0.020	5.56						K5III		166103		
25	THE	SCL	00 09 11.681	-35 24 46.45	+0.0135	+0.126	5.25	2	5.69	2			F4V		192388		
26	86	GAM	00 10 39.447	+14 54 20.57	+0.0002	-0.007	2.840	1	2.610	1	1.750	1	B2IV		01781	V	
27	23	AND	00 10 54.552	+40 45 34.17	-0.0104	-0.140	5.60						DA7		36173		
28	FM	CAS	00 11 48.761	+55 58 30.44	-0.0008	+0.004	8.9	6	9.750	7			G0	6	21233	V	
29	AD	CET	00 11 54.170	-08 03 31.02	+0.0037	+0.008	5.12	2	6.74	2	8.55	2	M0III	7	128655	DV	
30	89	CHI	00 12 00.662	+19 55 43.61	+0.0067	+0.005	4.80	2	6.37	2	8.30	2	M2III		91792		
31	7	AE	00 12 06.096	-19 12 34.97	-0.0019	-0.063	4.46	2	6.12	2	8.07	2	GM1		147169	V	
32	OMI	OCT	00 12 16.820	-88 38 27.64	+0.0437	+0.000	7.22	4					A0	4	258218		
33	35	UU	00 12 24.115	+08 32 36.36	+0.0064	-0.022	5.79	2	6.10	2	6.14	2	GA9		109047	DV	
34	S	SCL	00 12 51.106	-32 19 22.52	+0.0069	+0.019	6.3	4					M6E	4	192424	V	
35	AF	PHE	00 13 38.820	-48 50 00.98	-0.0007	+0.016	8.5	6	10.03	7	11.48	7	MR	6	215026	V	
36	36	PSC	00 13 59.725	+07 57 45.71	-0.0017	-0.008	6.11	2	7.03	2	7.69	2	GG6		109100		
37	37	PSC	00 14 10.720	+13 38 20.97	+0.0024	+0.007	7.50	4					A3	4	91812		
38	24	THE	00 14 28.299	+38 24 14.90	-0.0044	-0.015	4.61	2	4.67	2	4.72	2	A2V		53777		
39	38	PSC	00 14 49.833	+08 35 52.29	+0.0056	+0.084	6.98	4					F5	4	109111	D	
40	AO	CAS	00 15 03.347	+51 09 19.80	-0.0007	+0.001	5.90	2	5.93	2	4.92	2	O9III		21273	V	
41	39	PSC	00 15 14.051	+16 03 13.73	+0.0152	-0.019	7.44	4					F5	4	91825		
42	25	SIG	00 15 42.479	+36 30 29.75	-0.0052	-0.035	4.52	2	4.57	2	4.64	2	A2V	2	53798	V?	
43	26	AND	00 16 03.439	+43 30 49.02	+0.0017	+0.002	6.06		5.980				B9		36256	D	
44	TV	CAS	00 16 36.002	+58 51 42.03	+0.0027	+0.008	7.7	6					B9	6	21296	V	
45	8	IOT	00 16 52.784	-09 06 03.44	-0.0013	-0.031	3.550	1	4.770	1	5.940	1	K2III		128694		
46	40	PSC	00 17 20.996	+15 58 25.25	-0.0011	-0.001	6.77	4					K0	4	91850		
47	ZET	TUC	00 17 28.772	-65 10 06.72	+0.2714	+1.167	4.230	1	4.810	1	4.830	1	G2V		248163		
48	41	-D	00 18 01.317	+07 54 45.79	-0.0002	+0.014	5.37	2	6.71	2	8.26	2	GK3		109152	V?	
49	PI	TUC	00 18 20.648	-69 54 08.81	-0.0017	+0.000	5.51	2	5.46	2	5.32	2	B9		248167		
50	27	RHO	00 18 28.790	+37 41 30.68	+0.0051	-0.034	5.10						F5IV		53828		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
51	IOT	SCL	00 19 00.611	-29 15 28.37		+0.0030	-0.069	5.18	2	6.18	2		G68		166207		
52	T	CET	00 19 14.522	-20 20 06.19		+0.0049	-0.001	5.2					M5-6SE		166210	V	
53	T	AND	00 19 46.432	+26 43 10.31		+0.0036	+0.053	8.1	4				M3E	4	73930	V	
54	42	PSC	00 19 50.047	+13 12 18.46		+0.0042	+0.032	6.22					GK2		91866	D	
55	9	CET	00 20 18.035	-12 29 14.89		+0.0266	+0.065	6.39	2	7.05	2		DG2		147237		
56	T	CAS	00 20 31.209	+55 30 56.21		+0.0057	-0.003	6.7	4				M7E	4	21343	V	
57	SW	AND	00 21 05.692	+29 07 27.06		-0.0010	-0.028	9.0	6	9.200	7		A7	6	73952	V	
58	R	AND	00 21 23.025	+38 18 02.28		-0.0007	-0.019	7.39	2	9.36	2	10.61	S6-6E		53860	V	
59	S	CET	00 21 30.896	-09 36 16.04		+0.0009	+0.036	7.3	4				M4E	4	128740	V	
60	12	CAS	00 22 00.992	+61 33 15.31		+0.0016	+0.005	5.36		5.370			B8		11172		
61	43	PSC	00 22 02.625	+14 02 18.98		+0.0011	-0.002	6.80	4				K0	4	91881		
62	44	PSC	00 22 50.274	+01 39 46.70		-0.0010	-0.012	5.77	2	6.63	2	7.20	G65		109192		
63	45	PSC	00 23 07.104	+07 24 53.46		+0.0031	-0.044	7.18	4				K0	4	109195		
64	BET	HYI	00 23 09.374	-77 32 08.50		+0.6884	+0.327	2.800	1	3.420	1	3.530	G2IV		255670		
65	TU	CAS	00 23 36.678	+51 00 13.47		-0.0005	+0.001	8.3	6	8.600	7		F2	6	21308	V	
66	KAP	PHE	00 23 44.906	-43 57 25.67		+0.0098	+0.035	3.940	1	4.110	1	4.210	A7VN		215092		
67	ALP	PHE	00 23 49.029	-42 34 38.54		+0.0187	-0.390	2.400	1	3.490	1	4.370	K0III		215093		
68	V 379	CAS	00 23 49.123	+60 31 17.58		-0.0007	+0.008	8.8	6				F8	6	11197	V	
69	10	CET	00 24 03.431	-00 19 34.65		+0.0047	+0.004	6.19	2	7.10	2	7.65	G64		128760		
70	AG	PHE	00 24 26.984	-40 09 29.28		+0.0057	-0.030	8.8	6				A3	6	215098	V	
71	UY	CET	00 24 33.573	-06 52 52.36		-0.0015	-0.027	9.1	6				MA	6	128767	V	
72	46	PSC	00 25 22.061	+19 14 16.27		-0.0013	-0.011	6.65	4				K0	4	91909		
73	47	PSC	00 25 26.270	+17 36 59.07		+0.0082	-0.025	6.9					M3III		91910	V	
74	ETA	SCL	00 25 27.101	-33 16 58.98		-0.0014	-0.045	4.810	1	6.450	1	8.260	GM4		192545	V	
75	AG	CET	00 25 28.277	-11 56 06.60		+0.0026	-0.011	7.54	4	8.96	7		M3	6	147289	V	
76	48	PSC	00 25 36.589	+16 10 07.58		+0.0013	-0.011	5.18					GK5		91912		
77	GR	AND	00 25 49.942	+32 09 41.58		-0.0017	-0.019	6.71	4	6.71	7		A0P	6	53921	V	
78	YZ	SCL	00 26 00.026	-35 59 43.72		+0.0029	+0.027	8.4	6	9.96	7	11.34	MA	6	192550	V	
79	DL	CAS	00 27 10.374	+59 56 09.16		-0.0008	+0.011	8.6	6	9.640	7		G5	6	21446	V	
80	11	CET	00 27 21.267	-01 23 34.33		+0.0102	-0.073	7.52	4				F0	4	128789		
81	28	GN	00 27 28.660	+29 28 34.47		+0.0031	-0.049	5.17					A M		74041	DV	
82	12	CET	00 27 29.160	-04 14 00.17		+0.0005	-0.007	5.72	2	7.28	2	9.18	M0III		128791	D	
83	AD	CEP	00 27 47.655	+82 19 08.88		-0.0002	-0.014	9.5	6						83	V	
84	49	PSC	00 28 11.068	+15 45 41.38		-0.0020	-0.002	6.94	4				A0	4	91934	D	
85	13	CAS	00 28 31.443	+66 14 37.43		+0.0039	+0.000	6.11					B5		11243		
86	14	LAM	00 29 00.062	+54 14 47.51		+0.0050	-0.005	4.73	2	4.63	2	4.27	B8		21489	D	
87	LAM- 1	PHE	00 29 00.580	-49 04 47.28		+0.0143	+0.026	4.770	1	4.780	1	4.820	A0V		215131	D	
88	BET- 1	TUC	00 29 15.752	-63 14 00.38		+0.0140	-0.050	4.370	1	4.320	1	4.150	B8V		248201	D	
89	BET- 2	TUC	00 29 16.518	-63 14 27.50		+0.0156	-0.052	4.550	1	4.690	1	4.720	A2V		248202	D	
90	51	PSC	00 29 48.829	+06 40 46.79		+0.0024	-0.013	5.67	2	5.67	2	5.50	A0		109262	D	
91	52	PSC	00 29 57.890	+20 01 09.15		+0.0095	-0.041	5.40		6.470			GK0		74084	D	
92	15	KAP	00 30 08.341	+62 39 22.13		+0.0002	-0.003	4.16	2	4.30	2	3.50	B1IA		11256	V?	
93	BET- 3	TUC	00 30 27.662	-63 18 23.45		+0.0127	-0.034	5.16					A2		248208	D	
94	THE	TUC	00 31 16.819	-71 32 30.93		+0.0167	-0.018	6.13	2	6.36	2	6.56	A4M?		255679	V	
95	16	CAS	00 31 28.807	+66 28 29.78		+0.0036	+0.006	6.37		6.290			B9		11265		
96	13	CET	00 32 40.371	-03 52 04.29		+0.0274	-0.021	5.20	2	5.76	2	5.84	F8V		128839	DV?	
97	14	CET	00 32 58.672	-00 46 48.17		+0.0089	-0.058	5.93	2	6.37	2	6.35	DF2		108843		
98	LAM- 2	PHE	00 33 18.316	-48 16 29.40		+0.0044	-0.098	5.52					DF7		215157		
99	V 446	CAS	00 33 19.326	+62 24 41.17		+0.0005	-0.010	8.5	6				MA	6	11284	V	
100	ZZ	SCL	00 33 20.929	-25 09 11.15		+0.0009	+0.018	8.1	6	9.75	7	11.51	M3	6	166393	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
101	RT	SCL	00 33 59.099	-25 56 55.09	-0.0014	+0.055	9.4	6					A7	6	166406	V	
102	AA	SCL	00 34 01.187	-30 36 31.73	-0.0002	+0.006	8.6	6	10.19	7	11.88	7	MB	6	192633	V	
103	17 ZET	CAS	00 34 10.333	+53 37 19.42	+0.0021	-0.005	3.660	1	3.470	1	2.580	1	B2V		21566	V?	
104	53	PSC	00 34 10.771	+14 57 24.49	+0.0003	-0.014	5.81		5.680				B3V		91905	V?	
105	29 PI	AND	00 34 12.186	+33 26 39.75	+0.0013	-0.000	4.36	2	4.20	2	3.65	2	B5V		54033	D	
106	BZ	AND	00 34 53.184	+45 19 45.10	-0.0010	+0.001	8.4	6					MA	6	36522	V	
107	15	CET	00 35 31.026	-00 46 41.55	-0.0032	-0.005	6.92	4					K0	4	128868	D	
108	AM	CET	00 35 35.527	-21 41 04.64	-0.0038	-0.016	8.8	6	10.25	7			M2	6	166429	V	
109	30 EPS	AND	00 35 54.422	+29 02 26.12	-0.0174	-0.249	4.38	2	5.25	2	5.72	2	G8III		74164		
110	31 DEL	AND	00 36 38.858	+30 35 15.79	+0.0106	-0.084	3.280	1	4.560	1	6.040	1	K3III		54058	D	
111	54	PSC	00 36 45.412	+20 58 51.87	-0.0331	-0.366	5.86	2	6.71	2	7.29	2	K0V		74175		
112	EF	AND	00 36 58.306	+46 16 52.28	+0.0011	+0.000	9.4	6							36559	V	
113	TW	PSC	00 37 09.481	+13 55 33.61	-0.0001	-0.006	9.2	6							92012	V	
114	55	PSC	00 37 17.336	+21 09 51.71	+0.0020	-0.030	5.42						K0II-III		74182	D	
115	Z	SCL	00 37 30.364	-34 14 04.19	+0.0267	-0.111	6.3						F8		192663	V	
116	18 ALP	CAS	00 37 39.313	+56 15 48.60	+0.0064	-0.027	2.230	1	3.400	1	4.520	1	K0II-III		21609	DV	
117	32	AND	00 38 24.046	+39 11 04.33	-0.0010	-0.002	5.33	2	6.22	2	6.82	2	G8III		54079		
118	MU	PHE	00 38 58.031	-46 21 33.10	-0.0017	+0.005	4.590	1	5.560	1	6.280	1	G8III		215194		
119	19 XI	CAS	00 39 15.820	+50 14 19.11	+0.0014	-0.001	4.81	2	4.71	2	4.05	2	B2V		21637	V?	
120	AI	CET	00 39 29.353	-09 55 19.20	-0.0010	-0.019	8.8	6	10.29	7			M3	6	128907	V	
121	XI	PHE	00 39 30.000	-56 46 34.68	+0.0106	+0.050	5.70	2	5.90	2			A8P		232152	DV?	
122	V 486	CAS	00 39 48.829	+52 03 47.54	-0.0010	-0.010	6.93	4					B3	6	21646	V	
123	LAM- 1	SCL	00 40 18.717	-38 44 13.64	-0.0000	-0.000	6.06	2	6.03	2			A0V		192690	D	
124	RHO	TUC	00 40 20.682	-65 44 33.03	+0.0094	+0.048	5.39	2	5.89	2	5.91	2	DF5		248237		
125	20 PI	CAS	00 40 41.422	+46 45 05.30	-0.0021	-0.029	4.99						A5		36602	V?	
126	CC	AND	00 41 03.148	+42 00 30.58	-0.0021	-0.020	8.8	6	9.130	7					36605	V	
127	16 BET	CET	00 41 04.811	-18 15 38.78	+0.0163	+0.036	2.020	1	3.030	1	3.910	1	K1III		147420	V?	
128	ETA	PHE	00 41 06.809	-57 44 13.25	-0.0002	+0.016	4.360	1	4.350	1	4.320	1	A0IV		232162	D	
129	17 PHI- 1	CET	00 41 40.021	-10 52 53.49	-0.0009	-0.108	4.75	2	5.75	2	6.59	2	K0III		147423	V?	
130	LAM- 2	SCL	00 41 47.213	-38 41 48.74	+0.0203	+0.121	5.97						GK0		192703		
131	EG	AND	00 41 52.688	+40 24 22.49	+0.0009	-0.004	7.46	4					GM2E	7	36618	V	
132	22 OMI	CAS	00 41 55.654	+48 00 40.00	+0.0019	-0.003	4.50	2	4.44	2	3.91	2	B2V		36620	D	
133	AB	SCL	00 42 04.655	-33 55 37.34	-0.0029	+0.050	8.7	6	10.34	7	12.32	7	MA	6	192707	V	
134	21 YZ	CAS	00 42 18.429	+74 42 54.68	-0.0043	-0.019	5.57						A2-A3		4216	DV	
135	18	CET	00 42 57.987	-13 09 04.22	-0.0026	-0.198	6.11						DF8		147432		
136	57	PSC	00 43 55.721	+15 12 11.71	-0.0019	-0.040	5.36						GM4		92072	V?	
137	Y	HYI	00 44 22.397	-79 05 40.08	-0.0005	-0.002	9.2	6							255703	V	
138	23	CAS	00 44 23.326	+74 34 29.87	+0.0041	-0.002	5.41		5.330				B8		4226		
139	58	PSC	00 44 24.737	+11 42 05.50	+0.0037	-0.027	5.52						G69		92080		
140	59	PSC	00 44 34.773	+19 18 20.69	+0.0070	+0.011	6.01						A5		92082		
141	34 ZET	AND	00 44 40.968	+23 59 43.95	-0.0073	-0.078	4.06	2	5.18	2	6.05	2	K1II		74267	DV	
142	60	PSC	00 44 48.265	+06 28 06.15	+0.0008	-0.010	5.99	2	6.93	2	7.63	2	G66		109461		
143	61	PSC	00 45 15.380	+20 39 08.80	+0.0112	+0.011	6.45						DF6		74280	D	
144	62	PSC	00 45 41.559	+07 01 38.29	+0.0073	+0.010	5.93	2	7.03	2	8.02	2	G67		109470		
145	RX	CEP	00 45 54.184	+81 41 42.37	-0.0018	-0.001	7.6	6					G5	6	130	V	
146	25 NU	CAS	00 45 59.270	+50 41 45.47	+0.0036	-0.001	5.00		4.690				B9		21729	V?	
147	24 ETA	CAS	00 46 03.645	+57 33 03.15	+0.1368	-0.521	3.440	1	4.020	1	4.040	1	G0V		21732	D	
148	63 DEL	PSC	00 46 05.113	+07 18 47.93	+0.0056	-0.046	4.44	2	5.95	2	7.83	2	K5III		109474		
149	64	PSC	00 46 20.792	+16 40 15.74	-0.0001	-0.200	5.12						F8V		92099		
150	LAM	HYI	00 46 51.740	-75 11 43.48	+0.0356	-0.027	5.070	1	6.340	1	8.120	1	M1III		255710		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
151	35 NU	AND	00 47 02.830	+40 48 25.23	+0.0018	-0.016	4.53	2	4.38	2	3.80	2	B5V		36699		
152	65 -I- 1	PSC	00 47 11.400	+27 26 19.64	+0.0063	-0.005	6.29						GF2		74295	D	
153	65 -I- 2	PSC	00 47 11.766	+27 26 17.48	+0.0068	-0.004	6.29						GF0		74296	D	
154	GO	AND	00 47 30.141	+44 43 48.35	+0.0065	-0.008	6.14		6.16				A0P	7	36702	V	
155	19 PHI- 2	CET	00 47 37.288	-10 54 47.65	-0.0156	-0.223	5.20	2	5.70	2	5.69	2	F8V		147470		
156	VY	CAS	00 48 24.222	+62 38 57.16	-0.0116	+0.012	9.1	6					MB	6	11434	V	
157	RHO	PHE	00 48 24.814	-51 15 33.91	+0.0060	+0.046	5.22	2	5.58	2			DF2		232203	V	
158	V 451	CAS	00 49 21.250	+59 27 14.92	+0.0002	+0.004	8.3	6					M2	6	21786	V	
159	20	CET	00 50 27.048	-01 24 55.53	+0.0004	-0.013	4.78	2	6.35	2	8.27	2	M0III		129009		
160	LAM- 1	TUC	00 50 30.741	-69 46 28.74	+0.0001	-0.083	6.22	2	6.78	2	6.86	2	F8		248269	DV?	
161	BQ	TUC	00 51 33.387	-63 08 33.46	+0.0101	+0.002	5.64		7.20	7			M5III	6	248276	V	
162	BM	CAS	00 51 40.707	+63 48 50.47	-0.0025	+0.015	9.0	6							11461	V	
163	21	CET	00 51 46.152	-09 00 39.81	+0.0009	-0.048	6.16	2	7.08	2	7.62	2	SGG3		129019		
164	66	PSC	00 51 56.105	+18 55 03.39	+0.0013	-0.010	5.70		5.690				A1V		92145	D	
165	26 UPS- 1	CAS	00 52 01.012	+58 42 09.02	-0.0042	-0.038	4.84	2	6.06	2	7.32	2	K2II		21832	D	
166	36	AND	00 52 17.076	+23 21 28.90	+0.0095	-0.026	5.45						SGK1		74359	DV?	
167	LAM- 2	TUC	00 53 08.641	-69 47 50.02	+0.0021	-0.041	5.45	2	6.54	2	7.54	2	G7III		248281	D	
168	67 -K	PSC	00 53 16.764	+26 56 19.28	-0.0013	+0.012	5.97		6.080				A3V		74373		
169	22 PHI- 3	CET	00 53 31.022	-11 32 13.09	-0.0017	-0.005	5.31	2	6.83	2			K4III		147519		
170	28 UPS- 2	CAS	00 53 40.100	+58 54 41.01	-0.0119	-0.041	4.64	2	5.60	2	6.30	2	G8III-IV		21855		
171	27 GAM	CAS	00 53 40.324	+60 26 47.38	+0.0034	-0.000	2.390	1	2.290	1	1.180	1	B0IVPE		11482	DV	
172	AC	SCL	00 53 52.554	-25 49 26.76	+0.0003	-0.031	7.7	6	9.30	7	11.18	7	M2	6	166692	V	
173	37 MU	AND	00 53 58.160	+38 13 42.99	+0.0129	+0.037	3.870	1	3.990	1	4.140	1	A5V		54281	D	
174	38 ETA	AND	00 54 31.887	+23 08 53.49	-0.0025	-0.037	4.42	2	5.36	2	6.05	2	G8III-IV		74388		
175	68 -H	PSC	00 55 07.383	+28 43 20.47	+0.0005	-0.005	5.54						GG6		74395		
176	ALP	SCL	00 56 11.882	-29 37 38.43	+0.0013	+0.005	4.270	1	4.090	1	3.520	1	B8III		166716		
177	23 PHI- 4	CET	00 56 13.583	-11 38 58.40	-0.0026	-0.016	5.79						GG7		147546		
178	WW	PSC	00 57 13.983	+06 12 49.96	+0.0014	-0.002	6.11	2	7.78	2	9.69	2	GM2	7	199581	DV	
179	U	CEP	00 57 44.916	+81 36 24.59	+0.0113	+0.002	6.8	4					A0	4	168	V	
180	V 365	CAS	00 57 53.527	+56 20 36.93	+0.0009	+0.020	8.9	6					M5	6	21917	V	
181	AK	CET	00 58 00.344	-12 27 52.16	+0.0009	-0.043	8.3	6	9.83	7			M3	6	147564	V	
182	XI	SCL	00 58 58.321	-39 11 09.90	+0.0070	+0.058	5.59	2	6.77	2			GK0		192870		
183	70	PSC	00 59 30.651	+07 40 17.23	+0.0012	+0.039	7.84	4					G5	4	109614		
184	OME	PHE	00 59 55.216	-57 16 16.58	+0.0007	+0.023	6.11	2	7.05	2			G8III		232268		
185	SIG	SCL	01 00 03.237	-31 49 14.89	+0.0060	-0.017	5.50	2	5.58	2			A2V		192884		
186	69 SIG	PSC	01 00 04.340	+31 32 10.89	+0.0011	-0.023	5.38		5.330				B9V		54374		
187	39	AND	01 00 05.087	+41 04 36.77	-0.0019	-0.005	5.98	2	6.14	2	6.23	2	A7V		36874	D	
188	71 EPS	PSC	01 00 20.700	+07 37 17.02	-0.0054	+0.028	4.28	2	5.24	2	5.95	2	K0III		109627		
189	25	CET	01 00 30.712	-05 06 12.94	-0.0075	-0.102	5.44	2	6.55	2	7.59	2	K0III-IV		129094		
190	26	CET	01 01 14.463	+01 05 57.35	+0.0078	-0.037	6.04	2	6.31	2	6.44	2	DF0		199643	D	
191	2	UMI	01 01 30.792	+85 59 24.27	+0.0773	-0.006	4.26	2	5.47	2	6.80	2	K2III		181		160
192	73	PSC	01 02 16.992	+05 23 19.59	+0.0017	-0.009	6.00	2	7.51	2	9.36	2	GK5		199656		
193	72	PSC	01 02 26.726	+14 40 39.69	+0.0004	+0.059	5.58						DF2		92230	D	
194	74 PSI- 1A	PSC	01 02 59.772	+21 12 21.62	+0.0036	-0.011	5.55		5.510				B9.5IV		74482	D	
195	74 PSI- 1B	PSC	01 03 00.520	+21 11 53.41	+0.0034	-0.013	5.82		5.780				B9V		74483	D	
196	27	CET	01 03 06.491	-10 14 46.80	-0.0026	-0.030	6.12	2	7.13	2	7.98	2	K0III		147601		
197	77	A PSC	01 03 13.821	+04 38 33.19	+0.0013	-0.116	6.34	2	6.72	2	6.68	2	DF5		199666	D	
198	77	B PSC	01 03 16.018	+04 38 37.56	+0.0018	-0.114	7.24	2	7.73	2	7.70	2	DF4		109667	D	
199	76	PSC	01 03 25.743	+31 54 52.26	+0.0009	-0.017	6.64	4					K0	4	54421		
200	28	CET	01 03 34.548	-10 06 24.47	+0.0017	+0.007	5.58	2	5.59	2			A0		147606		

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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201	V 487	CAS	01 03 47.895	+63 30 22.84	L	-0.0034	+0.016	8.4	6	9.93	7		G0IAB	7	11581	V	
202	BET	PHE	01 03 51.357	-46 59 09.77		-0.0029	+0.005	3.310	1	4.210	1	4.770	G8III		215365	DV?	
203	75	PSC	01 03 55.550	+12 41 19.12		+0.0010	+0.038	6.13					G67		92250		
204	30 MU	CAS	01 04 55.686	+54 40 32.96		+0.3947	-1.575	5.18	2	5.87	2	5.96	G5VP		22024		
205	HS	CAS	01 05 07.806	+63 19 11.35		+0.0004	-0.021	8.9	6				A2M?		11591	V	
206	41	AND	01 05 08.012	+43 40 34.86		+0.0152	-0.054	4.97					F5IV		36950		
207	78	PSC	01 05 14.864	+31 44 44.93		+0.0158	-0.031	6.25	2	6.65	2	6.64	DF3		54445		
208	30	CET	01 05 15.286	-10 03 09.23		+0.0100	+0.021	5.87					A3V		147622		
209	79 PSI- 2	PSC	01 05 15.941	+20 28 25.79		+0.0062	-0.089	5.58		5.710			G5III		74506		
210	IOT	TUC	01 05 20.132	-62 02 31.21		+0.0111	-0.005	5.37	2	6.25	2		G5	4	248324		
211	29	CET	01 05 24.795	+01 43 56.14		+0.0089	-0.421	6.69	4				A3V		109694	D	
212	UPS	PHE	01 05 30.962	-41 45 14.23		+0.0033	+0.009	5.21	2	5.37	2	5.46	F2V		215374		
213	80 -E	PSC	01 05 47.464	+05 23 08.68		-0.0177	-0.175	5.53	2	5.87	2	5.86	K3III		109697		
214	31 ETA	CET	01 06 04.420	-10 26 48.57		+0.0145	-0.133	3.450	1	4.610	1	5.800	M1	6	147632	V	
215	AL	CET	01 06 11.103	-17 19 47.64		-0.0003	-0.001	8.6	6	10.19	7		B6V		147633	DV	
216	ZET	PHE	01 06 17.251	-55 30 45.72		+0.0024	+0.031	3.960	1	3.860	1	4.270	B7V		232306	D	
217	42 PHI	AND	01 06 35.326	+46 58 32.80		+0.0009	-0.004	4.25	2	4.18	2	3.84	M0III		36972	DV?	
218	43 BET	AND	01 06 55.456	+35 21 21.74		+0.0146	-0.109	2.050	1	3.620	1	5.580	GF5		54471		
219	81 PSI- 3	PSC	01 07 08.495	+19 23 32.33		-0.0004	+0.013	5.50					A0	6	92283		
220	31	CAS	01 07 14.623	+68 30 47.88		+0.0068	-0.017	5.30					G0		11612	V	
221	AI	PHE	01 07 20.803	-46 31 54.76		+0.0048	-0.003	8.5	6				F8V		215389		
222	44	AND	01 07 27.789	+41 48 58.35		-0.0122	-0.037	5.67		6.270			G66		36984		
223	32	CET	01 07 41.405	-09 10 17.16		-0.0012	-0.033	6.40	2	7.44	2	8.31	A0		129154		
224	44	CEP	01 07 52.324	+79 24 31.20		+0.0336	+0.003	5.62					GK4		4341	V?	
225	33	CET	01 07 59.036	+02 10 48.30		-0.0002	-0.010	5.95	2	7.46	2	9.33	A7V		109715	V?	
226	33 THE	CAS	01 08 02.554	+54 53 04.32		+0.0265	-0.017	4.34	2	4.51	2	4.64	A7		22070		
227	82 -G	PSC	01 08 20.886	+31 09 33.62		-0.0009	-0.009	5.00					B7III		54493		
228	45	AND	01 08 21.178	+37 27 31.10		-0.0011	-0.003	5.75		5.650			B8		54494	V	
229	32 RU	CAS	01 08 24.582	+64 45 12.98		+0.0039	-0.010	5.49		5.390			G8III		11617		
230	84 CHI	PSC	01 08 45.636	+20 46 09.66		+0.0027	-0.006	4.66	2	5.69	2	6.50	MB	6	74544	V	
231	AM	CET	01 08 48.361	-13 46 08.08		+0.0006	+0.001	7.67	4	9.16	7		K0III-IV		147656		
232	83 TAU	PSC	01 08 53.974	+29 49 29.07		+0.0056	-0.032	4.51	2	5.61	2	6.61	K4III		74546		
233	34	CET	01 09 10.768	-02 30 58.25		-0.0044	-0.021	5.95	2	7.35	2	9.01	F8	4	129169		
234	35	CET	01 09 56.655	+02 12 28.45		-0.0118	-0.103	6.82	4				G5	4	109727		
235	36	CET	01 10 16.599	-07 02 53.29		-0.0040	-0.012	6.93	4				K0III		129177		
236	85 PHI	PSC	01 11 01.657	+24 19 09.68		+0.0011	-0.027	4.66	2	5.69	2	6.53	M0	6	74571	D	
237	RT	PSC	01 11 03.729	+26 52 07.31		-0.0000	-0.040	8.7	6				A5		74573	V	
238	86 ZET- 1	PSC	01 11 06.933	+07 18 41.34		+0.0095	-0.050	4.86	2	5.18	2	5.27	DF6		109739	DV?	
239	86 ZET- 2	PSC	01 11 08.346	+07 18 52.03		+0.0097	-0.046	6.49					B8III		109740		
240	87	PSC	01 11 28.009	+15 52 09.85		-0.0016	-0.021	5.84		5.750			M4	7	92326		
241	AN	CET	01 11 41.698	-02 26 38.40		+0.0046	+0.000	8.8	6	10.25	7		DF2		129190	V	
242	37	CET	01 11 52.826	-08 11 27.96		+0.0082	+0.277	5.13	2	5.59	2	5.54	G66		129193	DV?	
243	88	PSC	01 12 06.140	+06 43 52.56		-0.0009	-0.019	6.03	2	7.11	2	8.12	DF5		109753		
244	38	CET	01 12 15.861	-01 14 26.93		-0.0011	+0.209	5.70	2	6.12	2	6.10	F8V		129196		
245	NU	PHE	01 12 55.906	-45 47 53.11		+0.0636	+0.190	4.960	1	5.540	1	5.640	NA	4	215428	V	
246	Z	PSC	01 13 21.018	+25 30 20.14		-0.0006	-0.007	6.9	4				A5P	7	74593	V	
247	VV	SCL	01 13 47.545	-34 24 45.78		-0.0001	-0.022	7.93	4				G65		193014		
248	39	CET	01 14 03.832	-02 45 46.70		-0.0072	-0.059	5.41	2	6.31	2	6.75	F6V		129204		
249	KAP- 1	TUC	01 14 03.911	-69 08 23.34		+0.0664	+0.113	7.186	2	7.656	2	7.686	F6V		248345	D	155
250	KAP- 2	TUC	01 14 04.616	-69 08 28.63		+0.0758	+0.112	4.996	2	5.466	2	5.496	F6V		248346	D	156

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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251	UV	PSC	01 14 18.530	+06 32 53.01		+0.0055	+0.028	8.7	6				G5	6	1n977R	V	
252	RU	CET	01 14 23.693	+84 52 10.07		+0.0082	-0.005	9.0	6						220	V	
253	40	CET	01 14 25.303	-02 32 25.59		+0.0172	-0.131	6.83	4				F8	4	129210		
254	RT	CET	01 14 28.637	-24 06 27.09		-0.0001	+0.013	9.4	6				M2	6	166924	V	
255	S	PSC	01 14 57.368	+08 40 04.87		-0.0014	-0.010	8.2	4				M7E	4	109789	V	
256	V 465	CAS	01 15 05.608	+57 32 25.30		+0.0013	+0.012	6.8	4				M5	7	22165	V	
257	41	CET	01 15 11.507	-07 55 22.59		+0.0009	+0.022	6.93	4				A2	4	129217		
258	89	-F	01 15 13.014	+03 21 06.23		-0.0035	-0.019	5.17	2	5.24	2	5.32	A3V		1n9793		
259	S	CAS	01 15 57.715	+72 20 55.56		+0.0001	-0.015	7.2	4				SE	4	4374	V	
260	AA	CAS	01 16 18.635	+56 04 00.68		+0.0008	+0.008	8.2	6				M2	6	221A2	V	
261	90 UPS	PSC	01 16 42.703	+27 00 06.79		+0.0019	-0.006	4.76	2	4.79	2	4.89	A2V		74637		
262	34 PHI	CAS	01 16 55.101	+57 58 10.08		+0.0000	+0.003	4.99	2	5.67	2	6.16	F0IA		22191	D	
263	42	CET	01 17 14.782	-00 46 15.23		+0.0006	-0.009	5.87	2	6.51	2	6.83	G8III?		129235	D	
264	AK	PHE	01 17 24.600	-47 33 16.23		-0.0023	-0.008	7.3	6	8.93	7	10.69	MB	6	215460	V	
265	35	CAS	01 17 43.398	+64 23 48.68		+0.0089	-0.013	6.30					A0		11712	DV?	
266	AO	CET	01 17 47.286	-10 00 33.87		+0.0009	+0.032	8.9	6	10.48	7		M2	6	147744	V	
267	91	-L	01 18 21.077	+28 28 39.56		+0.0022	-0.067	5.30					GK5		74647		
268	46 XI	AND	01 19 23.103	+45 16 02.86		+0.0030	+0.012	4.90	2	5.98	2	6.95	K0III-IV		37155		
269	XZ	CAS	01 19 40.653	+60 54 55.88		-0.0011	+0.040	9.0	6						11727	V	
270	43	CET	01 20 01.216	-00 42 38.06		+0.0013	-0.009	6.49	2	7.57	2	8.58	GK0		129262	V?	
271	47	AND	01 20 48.433	+37 27 16.74		+0.0066	-0.013	5.49		5.750			A M		54655		
272	45 THE	CET	01 21 31.363	-08 26 27.16		-0.0056	-0.218	3.590	1	4.650	1	5.570	K0III		129274	D	
273	44	CET	01 21 31.531	-08 16 01.12		+0.0114	-0.066	6.21	2	6.44	2	6.53	A5		129275		
274	36 PSI	CAS	01 22 22.244	+67 52 11.60		+0.0135	+0.032	4.74	2	5.78	2	6.71	K0III		11751	D	
275	37 DEL	CAS	01 22 31.498	+59 58 34.35		+0.0400	-0.045	2.680	1	2.810	1	2.940	A5V		22268	V	
276	AL	PHE	01 23 05.022	-46 11 11.96		+0.0021	-0.034	8.28	4	9.79	7	11.26	MB	6	215498	V	
277	46	CET	01 23 09.632	-14 51 30.18		+0.0024	-0.015	4.90	2	6.13	2		K3III		147803		
278	CD	AND	01 23 30.959	+44 05 51.37		+0.0024	-0.001	8.6	6				F8	6	37207	V	
279	93 RHO	PSC	01 23 33.246	+18 54 45.75		-0.0017	+0.014	5.26					DF1		92436	V?	
280	94	PSC	01 23 59.312	+18 58 55.02		+0.0035	-0.056	5.53					GK1		92444		
281	47	CET	01 24 23.475	-13 18 57.29		+0.0009	+0.010	5.68					F1V		147812	V?	
282	48 OME	AND	01 24 39.155	+45 08 57.55		+0.0328	-0.100	4.83	2	5.25	2	5.25	F4IV		37228	D	
283	R	SCL	01 24 40.020	-32 48 06.81		-0.0011	-0.026	5.77	2	9.60	2		N3		193122	V	
284	95	PSC	01 25 03.867	+05 05 44.34		-0.0014	-0.128	7.33	4				G0	4	109905	D	
285	GAM	PHE	01 26 11.776	-43 34 25.93		-0.0015	-0.203	3.410	1	4.980	1	6.820	K5II		215516	V?	
286	96	PSC	01 26 26.278	+07 02 12.05		-0.0019	-0.049	6.68	4				F2	4	109916		
287	WZ	SCL	01 26 26.505	-34 01 18.02		-0.0047	-0.020	6.62	4				A3	6	193136	V	
288	49 A	AND	01 27 05.505	+46 45 00.17		+0.0007	-0.039	5.23					G9III		37275		
289	XX	SCL	01 27 08.974	-33 34 43.52		+0.0022	-0.040	8.9	6				F0	6	193142	V	
290	97 VX	PSC	01 27 10.619	+18 05 52.27		+0.0044	+0.001	5.93		6.070			A4III		92463	V	
291	48	CET	01 27 12.209	-21 53 14.62		+0.0038	+0.010	5.13	2	5.15	2		A1V		167086	D	
292	38	CAS	01 27 28.374	+70 00 29.68		+0.0271	-0.070	5.87					DF6		4422		
293	98 MU	PSC	01 27 33.722	+05 53 12.21		+0.0197	-0.042	4.84	2	6.22	2	7.74	K4III		109926		
294	R	PSC	01 28 03.356	+02 37 27.97		+0.0007	+0.000	7.0	4				M4E	4	109934	V	
295	SY	PHE	01 28 20.499	-42 57 51.88		+0.0021	-0.022	9.4	6				F8	6	215532	V	
296	IM	CAS	01 28 37.780	+62 04 19.60		-0.0042	+0.016	7.8	6						11802		
297	99 ETA	PSC	01 28 48.197	+15 05 19.39		+0.0019	-0.002	3.620	1	4.590	1	5.330	G8III		92484	DV?	
298	IZ	PER	01 28 56.492	+53 45 43.43		+0.0012	+0.005	7.8	6				BB	6	22364	V	
299	DEL	PHE	01 29 10.327	-49 19 55.19		+0.0140	+0.159	3.950	1	4.940	1	5.640	K0III-IV		215536		
300	AE	PHE	01 30 29.024	-49 47 01.40		+0.0169	-0.043	7.92	4				G0	6	215545	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
301	39 CHI	CAS	01 30 38.663	+58 58 34.67	-0.0048	-0.016	4.72	2	5.72	2	6.48	2	G8III		22397		
302	SZ	PHE	01 31 54.597	-43 29 51.32	-0.0004	-0.019	9.2	6							215563	V	
303	RS	TRI	01 32 00.442	+29 20 01.24	-0.0064	+0.002	9.1	6					A5	6	74803	V	
304	49	CET	01 32 11.169	-15 55 54.75	+0.0063	+0.006	5.64						A2V		147886		
305	100	A PSC	01 32 11.938	+12 18 12.10	+0.0005	-0.006	7.02	4					A3	4	92521	D	
306	100	B PSC	01 32 13.028	+12 18 15.80	+0.0009	+0.001	8.1	4					A7	4	92522	D	
307	101	PSC	01 33 05.736	+14 24 23.13	+0.0002	-0.007	6.13		6.090				B9III		92530	V?	
308		CET	01 33 07.925	-12 11 48.03	-0.0027	-0.027	8.9	6					A2	7	147897	V	
309	50	CET	01 33 32.584	-15 39 19.02	+0.0009	+0.020	5.48						K2III		147901		
310	TAU	SCL	01 33 49.831	-30 09 46.15	+0.0075	+0.045	5.69	2	6.02	2			DF4		193201		
311	50 UPS	AND	01 33 51.142	+41 09 22.13	-0.0153	-0.379	4.10	2	4.64	2	4.70	2	F8V		37362		
312	102 PI	PSC	01 34 26.628	+11 53 11.61	-0.0045	+0.048	5.56						A5N		92536		
313	40	CAS	01 34 28.470	+72 47 10.46	-0.0024	-0.009	5.41						G8II-III		4453	DV?	
314	51	AND	01 34 54.636	+48 22 32.65	+0.0066	-0.108	3.570	1	4.850	1	6.290	1	K3III		37375		
315	ALP	ERI	01 35 51.307	-57 29 24.93	+0.0129	-0.028	0.480	1	0.320	1	-0.350	1	B5IV		232481		
316	52 CHI	AND	01 36 20.383	+44 07 57.43	-0.0020	+0.016	5.04						G8II		37406		
317	103	PSC	01 36 33.218	+16 22 20.89	-0.0002	-0.017	6.87	4					G5	4	92555	D	
318	104	PSC	01 36 34.387	+14 01 57.51	+0.0060	-0.020	6.93	4					K0		92556		
319	105	PSC	01 36 58.626	+16 09 10.30	+0.0053	-0.011	5.92						GK2		92558		
320	53 TAU	AND	01 37 37.096	+40 19 28.67	+0.0011	-0.021	4.94	2	4.85	2	4.44	2	B8IV		37418	DV?	
321	-P	ERI	01 37 54.263	-56 26 52.43	+0.0337	+0.027	5.07	2	5.95	2			K0V		232490	D	
322	43	CAS	01 38 36.402	+67 47 28.24	+0.0095	-0.003	5.59		5.510				A P		11919		
323	106 NU	PSC	01 38 49.559	+05 14 07.13	-0.0016	+0.006	4.44	2	5.80	2	7.36	2	K3III		110065		
324	42	CAS	01 39 00.923	+70 22 15.78	+0.0156	-0.006	5.23						A0		4470	V?	
325	107	PSC	01 39 46.615	+20 01 34.34	-0.0209	-0.668	5.24	2	6.08	2	6.57	2	K1V		74893		
326	PI	SCL	01 39 53.210	-32 34 42.49	-0.0059	-0.022	5.28						GK0		193263		
327	44	CAS	01 39 55.363	+60 18 00.24	+0.0012	-0.014	5.78		5.770				B9		11941	D	
328	PHI	PER	01 40 30.757	+50 26 15.92	+0.0027	-0.011	4.06	2	4.02	2	3.10	2	B1III-V?PE		22554	V	
329	-Q- 1	ERI	01 40 33.854	-53 59 26.95	+0.0194	-0.086	5.56						SGG0		232501		
330	TAU -1	HYI	01 41 17.558	-79 24 01.01	+0.0206	+0.017	6.33	2	7.27	2	7.96	2	K0		255806	D	
331	52 TAU	CET	01 41 44.660	-16 12 00.50	-0.1194	+0.858	3.500	1	4.220	1	4.430	1	G8VP		147986		
332	109	PSC	01 42 11.644	+19 50 02.99	-0.0029	-0.105	6.15						DG4		92611		
333	110 OMI	PSC	01 42 44.968	+08 54 24.64	+0.0048	+0.052	4.26	2	5.22	2	5.90	2	G8III		110110		
334	UZ	PSC	01 43 04.440	+08 18 34.95	+0.0018	-0.011	6.62	4					A2P	7	110111	V	
335	EPS	SCL	01 43 18.256	-25 18 06.64	+0.0117	-0.056	5.31	2	5.70	2			F1V		167275	D	
336	VY	PSC	01 43 52.168	+17 09 47.61	+0.0037	+0.015	6.37						A7N		92622	V	
337	-Q- 2	ERI	01 44 12.016	-53 46 20.62	+0.0150	+0.073	5.04	2	5.08	2			A0		232520		
338	4	ARI	01 45 27.899	+16 42 26.49	+0.0036	-0.031	5.75		5.720				B9.5V		92637		
339	53 CHI	CET	01 47 07.649	-10 55 58.88	-0.0103	-0.091	4.68	2	5.00	2	5.03	2	F2IV		148036	D	
340	TT	PER	01 47 14.072	+53 29 43.31	+0.0018	+0.012	8.4	6					M5	6	22663	V	
341	1	ARI	01 47 22.425	+22 01 40.32	-0.0012	-0.004	5.86	2	6.60	2	7.10	2	K0III		74966	D	
342	AQ	CET	01 47 23.428	-05 06 25.13	-0.0000	-0.023	8.5	6	9.98	7			MC	6	129519	V	
343	TAU- 2	HYI	01 48 11.758	-80 25 25.82	-0.0276	-0.064	6.07	2	6.40	2	6.47	2	DF0		258280	D	
344	54	CET	01 48 12.521	+10 47 47.76	-0.0049	-0.022	5.94	2	6.24	2	6.22	2	F0V		92659	V?	44
345	1	PER	01 48 41.326	+54 54 03.02	+0.0024	-0.003	5.47						B2V		22690		
346	1 ALP	UMI	01 48 48.786	+89 01 43.73	+0.1811	-0.004	2.020	1	2.620	1	3.000	1	F8IB		308	DV	
347	2	PER	01 48 57.679	+50 32 47.91	+0.0015	-0.022	5.62		5.560				B9		22696		
348	55 ZET	CET	01 48 59.447	-10 34 52.90	+0.0024	-0.036	3.720	1	4.860	1	5.920	1	K2II		148059	V?	
349	2 ALP	TRI	01 50 13.440	+29 20 10.14	+0.0008	-0.229	3.420	1	3.900	1	3.960	1	F6IV		74996		
350	55	AND	01 50 16.819	+40 29 02.26	-0.0005	+0.001	5.48						GK1		37587		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
351	45 EPS CAS	01 50 46.378	+63 25 29.89		+0.0049	-0.015	3.380	1	3.230	1	2.610	1	B3IV?P		12031	V?	
352	5 GAM- 1 ARI	01 50 46.855	+19 03 06.11		+0.0055	-0.108	4.674	1	4.634	1	4.504	1	A SI		92680	D	6
353	5 GAM- 2 ARI	01 50 46.872	+19 02 57.87		+0.0056	-0.100	4.593	1	4.553	1	4.423	1	B9V		92681	DV	7
354	111 XI PSC	01 50 57.835	+02 56 29.48		+0.0013	+0.028	4.63	2	5.57	2	6.27	2	K0III		110206	V?	
355	ETA- 1 HYI	01 51 18.717	-68 11 25.10		+0.0047	-0.003	6.7	4					A0	4	248455	V	
356	PSI PHE	01 51 38.578	-46 32 48.92		-0.0083	-0.081	4.410	1	6.000	1	7.710	1	M4III		215696	V	
357	6 BET ARI	01 51 52.340	+20 33 52.09		+0.0069	-0.108	2.650	1	2.780	1	2.880	1	A5V		75012	V?	
358	46 OME CAS	01 52 04.895	+68 26 26.88		+0.0020	-0.008	4.99		4.900				B8		12038	V?	
359	PHI PHE	01 52 17.583	-42 44 30.17		-0.0034	-0.028	5.11	2	5.05	2	4.91	2	A0		215697		
360	V 391 CAS	01 52 29.590	+69 57 34.28		-0.0004	+0.006	8.0	6					K5	6	12043	V	
361	7 RR ARI	01 53 03.346	+23 19 59.23		+0.0007	-0.003	5.7						G68		75030	V	
362	56 AND	01 53 10.560	+37 00 26.51		+0.0151	+0.010	5.67	2	6.73	2	7.64	2	K0III		55107	D	
363	ETA- 2 HYI	01 53 39.936	-67 53 34.38		+0.0135	+0.078	4.680	1	5.625	1	6.260	1	G8III		248460		
364	CHI ERI	01 54 00.823	-51 51 25.74		+0.0733	+0.299	3.690	1	4.540	1	5.000	1	G5IV		232573	D	
365	56 CET	01 54 19.672	-22 46 12.86		+0.0043	-0.020	5.18						GK4		167416		
366	8 IOT ARI	01 54 36.827	+17 34 27.51		+0.0025	-0.016	4.95						K1P		92721		
367	9 LAM A ARI	01 55 08.177	+23 21 11.25		-0.0065	-0.009	4.79	2	5.07	2	5.16	2	F0IV		75051	DV?	
368	3 PER	01 55 22.097	+48 57 39.10		+0.0010	+0.042	5.67						G67		37665		
369	58 CET	01 55 26.761	-02 18 09.14		+0.0024	+0.017	6.57	4					A0	4	129588	D	
370	TT FOR	01 55 39.803	-26 43 31.02		-0.0012	+0.006	9.0	6	10.62	7	11.94	7	M2	6	167437	V	
371	SIG HYI	01 55 53.772	-78 35 34.84		+0.0325	+0.054	6.16	2	6.60	2	6.61	2	F2		255835		
372	SV FOR	01 56 06.199	-24 37 19.28		-0.0043	-0.029	9.5	6					F5	6	167442	V	
373	U PER	01 56 14.804	+54 34 48.93		+0.0036	+0.006	7.0	4					M6E	4	22817	V	
374	AA CET	01 56 40.618	-23 09 44.85		+0.0072	+0.058	7.31	4					F2	6	167451	DV	
375	ALP HYI	01 57 11.703	-61 48 45.43		+0.0379	+0.033	2.870	1	3.155	1	3.290	1	F0V		248474		
376	57 CET	01 57 24.985	-21 04 00.26		+0.0003	+0.023	5.41		7.040				GM1		167466		
377	112 PSC	01 57 32.910	+02 51 31.64		+0.0152	-0.246	5.88	2	6.50	2	6.69	2	DG1		110266	V?	
378	59 UPS CET	01 57 38.911	-21 19 09.71		+0.0094	-0.020	4.010	1	5.570	1	7.460	1	M1III		167471		
379	X TRI	01 57 42.353	+27 38 50.29		-0.0000	-0.006	8.6	6					A2	6	75082	V	
380	48 A CAS	01 57 48.527	+70 39 57.27		-0.0131	+0.010	4.54	2	4.70	2	4.76	2	A4V		4554	D	
381	XZ CET	01 57 52.603	-16 35 15.23		+0.0032	+0.023	9.2	6					A	7	148149	V	
382	AR CET	01 57 57.839	-08 45 54.46		+0.0061	-0.007	5.51	2	7.03	2	8.36	2	GM5		129624	V	
383	V 393 CAS	01 58 27.104	+71 03 26.10		+0.0082	+0.031	7.6	6					MA	6	4557	V	
384	4 -G PER	01 58 57.336	+54 14 49.01		+0.0040	+0.003	5.04	2	4.96	2	4.64	2	B8V		22859		
385	PI FOR	01 59 00.799	-30 14 28.88		-0.0082	-0.105	5.35	2	6.23	2			G5III		193455		
386	50 CAS	01 59 07.151	+72 10 50.83		-0.0092	+0.029	3.980	1	3.970	1	4.010	1	A1V		4560		
387	52 CAS	01 59 07.482	+64 39 40.51		-0.0000	-0.009	5.87						A2		12095		
388	53 CAS	01 59 16.588	+64 08 58.98		+0.0009	+0.001	5.58	2	5.96	2	5.69	2	B8IB		12097		
389	113 ALP PSC	01 59 27.392	+02 31 23.04		+0.0020	+0.000	3.82	2	3.84	2	3.75	2	A M-AP		110291	DV?	
390	CHI PHE	01 59 42.158	-44 57 12.68		-0.0028	-0.041	5.14	2	6.63	2	8.45	2	GK5		215739		
391	XX PER	01 59 47.167	+54 59 32.35		+0.0004	+0.005	8.0	6					M2	6	22875	V	
392	3 EPS TRI	02 00 02.186	+33 02 38.48		-0.0013	-0.009	5.50	2	5.53	2	5.59	2	A2III		55218	D	
393	47 CAS	02 00 02.232	+77 02 33.44		+0.0366	-0.052	5.28						A2N		4562		
394	60 CET	02 00 37.628	-00 06 42.26		+0.0049	+0.021	5.43	2	5.58	2	5.70	2	A3M		129655		
395	49 CAS	02 00 40.706	+75 52 34.67		-0.0052	-0.015	5.17						G8III		4565	D	
396	ARI	02 00 48.666	+25 41 44.23		+0.0099	+0.027	5.54						DF4		75114	D	
397	57 GAM- 1 AND	02 00 49.177	+42 05 27.01		+0.0041	-0.048	2.179	1	3.389	1	4.309	1	K3II		37734	D	1
398	57 GAM- 2 AND	02 00 49.967	+42 05 31.35		+0.0033	-0.051	4.979	1	6.189	1	7.109	1	A0P		37735	D	2
399	61 CET	02 01 14.429	-00 34 45.10		+0.0050	-0.041	5.93	2	6.81	2	7.31	2	G5II-III		129667	D	
400	51 CAS	02 01 25.450	+74 20 41.10		-0.0006	-0.011	7.50	4					A0	4	4570		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
401	NU	FOR	02 02 14.967	-29 32 09.81	+0.0008	+0.010	4.690	1	4.520	1	4.010	1	A0SI		167542	V?	
402	WZ	PSC	02 03 33.631	+08 00 35.68	-0.0005	-0.031	6.66	4	8.28	7	10.14	7	M4	7	110337	V	
403	UZ	CET	02 03 38.225	-10 27 02.20	+0.0001	-0.005	8.6	6					M2	6	148198	V	
404	12 KAP	ARI	02 03 45.688	+22 24 39.37	+0.0013	-0.031	5.03		5.140				A M		75146		
405	11	ARI	02 03 58.785	+25 28 01.65	+0.0013	-0.006	5.99		5.970				B8V		75149		
406	VX	PER	02 04 18.099	+58 12 22.87	-0.0011	+0.001	9.0	6					G0	6	22945	V	
407	13 ALP	ARI	02 04 20.917	+23 13 37.07	+0.0138	-0.144	2.000	1	3.150	1	4.280	1	K2III		75151	V?	
408	54	CAS	02 04 46.640	+71 19 06.97	+0.0644	-0.233	6.74	4					F8	4	4588		
409	58	AND	02 05 27.653	+37 37 22.80	+0.0133	-0.036	4.83	2	4.95	2	5.09	2	A5V		55289		
410	SS	FOR	02 05 36.058	-27 06 05.94	+0.0063	-0.026	9.2	6	9.270	7			G0	6	167572	V	
411	V 351	PER	02 05 57.746	+56 45 20.14	-0.0018	+0.016	8.3	6	8.44	7			B1III	7	22971	V	
412	BX	AND	02 05 59.307	+40 33 28.27	+0.0018	-0.018	9.0	6					G0	6	37805	V	
413	4 BET	TRI	02 06 33.579	+34 45 06.52	+0.0120	-0.037	3.000	1	3.140	1	3.260	1	A5III		55306		
414	14	ARI	02 06 34.182	+25 42 15.50	+0.0056	-0.034	5.01						F2III		75171		
415	62	CET	02 06 37.162	-02 34 02.60	-0.0071	-0.035	7.07	4					F8	4	129722		
416	KK	PER	02 06 48.449	+56 19 24.78	+0.0005	+0.023	7.6	6					K5	6	22994	V	
417	59	A AND	02 07 50.209	+38 48 16.40	-0.0013	-0.014	6.05		6.030				B9.5V		55330	D	
418	15	ARI	02 07 50.964	+19 15 55.60	+0.0062	-0.024	5.76						GM3		92822		
419	59	B AND	02 07 51.149	+38 48 29.64	-0.0008	-0.022	6.71						A2		55331	D	
420	5	PER	02 07 59.024	+57 24 38.73	-0.0015	+0.010	6.35	2	6.68	2	6.25	2	B5IA		23011	D	
421	16	ARI	02 08 20.977	+25 42 07.42	-0.0005	-0.005	6.03						GK4		75188		
422	5	TRI	02 08 29.234	+31 17 30.37	+0.0030	-0.007	6.15		6.250				A M		55338	V?	
423	64	CET	02 08 42.468	+08 20 11.89	-0.0095	-0.108	5.63	2	6.19	2	6.33	2	DF8		110390		
424	63	CET	02 09 03.342	-02 03 34.63	-0.0007	-0.030	5.93	2	6.90	2	7.60	2	GG9		129719		
425	6 IOT	TRI	02 09 27.759	+30 04 10.90	-0.0049	-0.059	5.05						G5III		55347	D	
426	17 ETA	ARI	02 09 59.756	+20 58 37.31	+0.0115	+0.007	5.23						F5V		75204		
427	60 -B	AND	02 10 04.462	+43 59 53.73	-0.0021	-0.008	4.94						K4III		37867	V?	
428	66	CET	02 10 14.099	-02 37 35.38	+0.0244	-0.064	5.51	2	6.09	2	6.18	2	DF9		129752	D	
429	6	PER	02 10 15.926	+50 50 05.11	+0.0366	-0.165	5.32	2	6.25	2	6.87	2	K0III		23047		
430	19	ARI	02 10 19.370	+15 02 47.28	+0.0066	-0.019	5.70	2	7.25	2	9.20	2	M0III		92841	V?	
431	65 XI - 1	CET	02 10 20.747	+08 36 47.36	-0.0017	-0.003	4.37	2	5.25	2	5.86	2	G8II		110408		
432	55	CAS	02 10 31.757	+66 17 29.32	-0.0010	+0.001	6.08						DF2+A2		12180	V?	
433	MU	FOR	02 10 42.374	-30 57 27.38	+0.0015	-0.010	5.28	2	5.26	2			A1V		193573		
434	V 354	PER	02 12 17.719	+55 45 51.38	+0.0001	+0.001	7.77	5	7.93	7			B0III	7	23099	V	
435	V	ARI	02 12 18.184	+12 00 24.53	+0.0028	+0.043	8.3	5					NB	5	92853	V	
436	V 355	PER	02 12 32.364	+57 30 46.97	-0.0007	+0.002	8.8	6	9.13	7			B3IV	7	23102	V	
437	21	ARI	02 12 52.174	+24 48 44.52	-0.0065	-0.082	5.57						DF4		75238		
438	20	ARI	02 12 53.877	+25 33 07.22	+0.0130	-0.058	5.79	2	6.23	2	6.27	2	DF3		75239		
439	7	TRI	02 12 58.322	+33 07 38.97	-0.0014	-0.034	5.24		5.230				B9.5V		55397		
440	PI - 1	HYI	02 13 11.635	-68 04 28.80	+0.0074	+0.040	5.55	2	7.10	2	8.94	2	GM0		248518		
441	R	ARI	02 13 16.060	+24 49 30.55	+0.0023	-0.011	7.3	4					M3E	4	75245	V	
442	V 356	PER	02 13 26.656	+56 53 56.10	-0.0011	-0.004	8.5	6	8.74	7			B1III	7	23116	V	
443	V 357	PER	02 13 27.250	+56 29 15.68	-0.0048	+0.021	7.7	6	7.91	7			B2IB	7	23117	V	
444	V 358	PER	02 13 37.852	+56 32 19.17	-0.0015	+0.000	8.2	6	8.20	7			B1IIPE	7	23124	V	
445	8 DEL	TRI	02 13 59.614	+33 59 47.61	+0.0928	-0.237	4.87	2	5.48	2	5.50	2	G0V		55420	D	
446	9 GAM	TRI	02 14 20.011	+33 37 01.46	+0.0037	-0.046	4.010	1	4.030	1	4.050	1	A0V		55427		
447	PI - 2	HYI	02 14 25.727	-67 58 40.23	+0.0070	-0.013	5.69	2	6.99	2	8.47	2	GK3		248521		
448	8	PER	02 14 26.346	+57 40 09.33	+0.0076	-0.013	5.75		6.920				GK3		23143		
449	67	CET	02 14 29.251	-06 39 05.98	+0.0059	-0.105	5.51	2	6.47	2	7.22	2	G8III		129798		
450	7 CHI	PER	02 14 32.316	+57 17 09.57	-0.0023	+0.010	6.00		7.050				GG6		23149	D	

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451	PHI	ERI	02 14 43.421	-51 44 34.89	+0.0102	-0.022	3.565	1	3.445	1	3.055	1	B8V		232696	D	
452	SU	TRI	02 15 13.329	+31 31 07.52	+0.0014	+0.001	9.1	6							55442	V	
453	22 THE	ARI	02 15 20.327	+19 40 15.22	-0.0008	+0.003	5.57		5.580				A1V		92877		
454	-H	PER	02 15 42.013	+56 56 22.44	+0.0005	+0.008	6.66	4					B0	4	23182	D	
455	AS	CET	02 15 44.303	-14 21 50.22	+0.0005	+0.041	8.0	6	9.57	7			M2	6	148319	V	
456	T	PER	02 15 45.586	+58 43 53.52	-0.0041	-0.008	8.34	4					K5	4	231A3	V	
457	62 -C	AND	02 16 02.464	+47 09 01.73	-0.0058	-0.003	5.02						A1		37948		
458	10	TRI	02 16 02.723	+28 24 46.35	+0.0008	-0.002	5.23		5.270				A2V		75276	D	
459	23	ARI	02 16 21.609	+19 27 35.85	-0.0014	-0.114	6.84	4					F8	4	92884		
460	68 OMI	CET	02 16 49.045	-03 12 13.39	-0.0008	-0.233	3.040	1	4.460	1	5.550	1	GM6E		129825	DV	46
461	VZ	CET	02 16 56.774	-03 11 42.94	-0.0004	-0.017	9.1	6					M0	6	129828	V	
462	AD	PER	02 16 56.982	+56 45 51.51	+0.0010	+0.005	7.2	6					M2-M3IAB	6	23207	V	
463	FZ	PER	02 17 27.062	+56 55 47.62	+0.0013	+0.013	7.8	6					K5	7	23217	V	
464	63	AND	02 17 38.721	+49 55 24.13	+0.0035	-0.023	5.58		5.440				A SI		37960		
465	PR	PER	02 18 07.954	+57 38 05.56	-0.0002	+0.007	8.6	5					K5IAB-M2I	7	23234	V	
466	SU	PER	02 18 35.127	+56 22 35.40	+0.0002	+0.012	7.7	6					M3.5IAB	7	23250	V	
467	9 -I	PER	02 18 51.207	+55 37 05.42	-0.0001	+0.004	5.17	2	5.54	2	5.43	2	A2IA		23256	D	
468	RS	PER	02 18 51.327	+56 52 55.18	+0.0012	+0.011	8.5	6					M4	6	23257	V	
469	S	PER	02 19 15.115	+58 21 33.90	+0.0009	+0.016	7.2	4					M5	4	23261	V	
470	69	CET	02 19 22.723	+00 10 05.62	-0.0011	-0.003	5.27	2	6.92	2	8.77	2	GM2		110495		
471	70	CET	02 19 39.354	-01 06 42.00	-0.0018	-0.050	5.42	2	5.73	2	5.83	2	A5		129858		
472	KAP	FOR	02 20 15.244	-24 02 33.76	+0.0144	-0.056	5.20	2	5.80	2			G1V		167736		
473	TZ	CET	02 20 15.782	-10 25 45.81	+0.0011	-0.010	8.7	6					M3	6	148361	V	
474	DEL	HYI	02 20 51.202	-68 53 11.84	-0.0079	+0.008	4.09	2	4.12	2	4.17	2	A2V		248545		
475	64	AND	02 21 04.737	+49 46 51.65	+0.0025	-0.035	5.33						G8III		38005		
476	10	PER	02 21 43.098	+56 23 04.15	-0.0002	+0.012	6.25	2	6.55	2	5.94	2	B2IA		23304		
477	24 XI	ARI	02 22 07.978	+10 23 06.91	+0.0013	-0.009	5.49		5.380				B6		92932		
478	65	AND	02 22 16.474	+50 03 13.03	+0.0025	-0.010	4.70	2	6.23	2	8.13	2	K4III		23319		
479	DM	PER	02 22 25.959	+55 52 40.13	+0.0004	+0.004	8.0	5					B6V	7	23321	V	
480	71	CET	02 22 26.587	-03 00 19.47	-0.0004	-0.003	6.33	2	6.33	2	6.19	2	A0		129888		
481	KAP	HYI	02 22 33.336	-73 52 19.85	-0.0191	+0.013	5.01	2	6.10	2	7.14	2	K0III		255880		
482	R	CET	02 23 28.709	-00 24 10.98	+0.0007	+0.011	7.0	4					M4E	4	129898	V	
483	LAM	HOR	02 23 29.948	-60 32 06.99	-0.0088	-0.129	5.35	2	5.74	2			F2IIIP		248555		
484	72 RHO	CET	02 23 31.955	-12 30 54.30	-0.0012	-0.007	4.89	2	4.87	2	4.82	2	B9V		148385		
485	AB	CET	02 23 37.625	-15 33 54.37	-0.0044	-0.045	5.83	2	5.97	2	6.06	2	A7P	2	148386	DV	
486	11	TRI	02 24 29.556	+31 34 40.56	-0.0021	-0.024	5.72						GK1		55570		
487	66	AND	02 24 29.696	+50 20 51.15	+0.0038	-0.089	6.14						DF1		23353		
488	25	ARI	02 24 43.583	+09 58 38.74	-0.0195	-0.200	6.54	4					G0	4	110537		
489	IOT	CAS	02 24 54.856	+67 10 45.26	-0.0025	+0.016	4.53	2	4.66	2	4.72	2	A P		12298	DV	
490	KAP	ERI	02 25 09.162	-47 55 39.34	+0.0022	-0.005	4.25	2	4.11	2	3.61	2	B5III		215906		
491	12	TRI	02 25 13.653	+29 26 50.24	-0.0011	-0.082	5.28						GA7		75382		
492	RS	CET	02 25 26.241	-00 00 06.36	-0.0003	-0.013	8.6	6					G5	6	129921	V	
493	73 XI - 2	CET	02 25 29.791	+08 14 13.15	+0.0025	-0.004	4.29	2	4.13	2	4.12	2	B9III		110543		
494	13	TRI	02 25 52.026	+29 42 29.07	-0.0053	+0.078	5.79						DG0		75391		
495	PHI	FOR	02 25 54.739	-34 02 03.17	+0.0011	+0.010	5.14	2	5.24	2			A2IV		193723		
496	26 UU	ARI	02 27 49.855	+19 38 03.63	+0.0058	-0.033	6.08		6.33	7			A4N		92979	V	
497	27	ARI	02 28 07.666	+17 29 01.64	+0.0021	-0.081	6.23	2	7.13	2	7.68	2	K0III		92983		
498	TV	HOR	02 28 46.315	-58 01 51.68	+0.0045	+0.028	6.80	4	8.35	7			M5III	7	232795	V	
499	14	TRI	02 29 02.538	+35 55 36.15	+0.0038	+0.017	5.23						K5III		55635		
500	75	CET	02 29 36.563	-01 15 17.21	-0.0020	-0.033	5.35	2	6.37	2	7.21	2	GG3		129959		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	S N
501	76 SIG	CET	02 29 42.948	-15 27 47.46	-0.0053	-0.117	4.75	2	5.20	2	5.19	2	F5V		148445		
502	29	ARI	02 30 09.550	+14 48 51.67	-0.0014	+0.045	6.01						DF7		92908		
503	UX	AND	02 30 13.070	+45 26 06.36	-0.0025	-0.001	8.6								38115	V	
504	V 362	PER	02 30 30.935	+58 11 11.35	+0.0009	+0.008	8.8	6	9.29	7			B0III	7	23434	V	
505	LAM- 1	FOR	02 31 01.901	-34 52 08.82	-0.0016	-0.016	5.88						GK0		193763		
506	U	CET	02 31 19.619	-13 22 02.50	+0.0017	-0.024	6.6	4					M3E	4	148467	V	
507	OME	FOR	02 31 39.261	-28 27 04.49	-0.0017	-0.009	4.890	1	4.830	1	4.690	1	B9		167882	D	
508	77	CET	02 32 14.490	-08 04 36.36	+0.0039	-0.062	5.75	2	7.15	2	8.80	2	GK4		129984		
509	CC	ERI	02 32 28.419	-44 00 38.91	+0.0053	-0.301	8.8	6					K5	6	215947	V	
510	MU	HYI	02 32 40.904	-79 19 40.34	+0.0460	-0.043	5.28	2	6.26	2	6.99	2	G4III		255898		
511	15	TRI	02 32 44.239	+34 28 14.37	+0.0024	-0.046	5.45						GM3		55687	UV?	
512	79	CET	02 32 49.378	-03 46 20.13	-0.0103	-0.428	6.78	4					G0	4	129902		
513	78 NU	CET	02 33 14.793	+05 22 33.99	-0.0021	-0.021	4.86	2	5.72	2	6.25	2	G8III		110635	n	
514	60	CET	02 33 32.231	-08 02 53.22	-0.0026	-0.057	5.53	2	7.12	2	9.05	2	M0III		130004		
515	CO	ERI	02 33 46.722	-45 17 12.97	+0.0031	-0.003	9.4	6					G0	7	215955	V	
516	31	ARI	02 33 54.028	+12 13 55.04	+0.0189	-0.081	5.64						DF5		93022		
517	IOT- 1	FOR	02 33 59.875	-30 15 42.80	-0.0013	+0.005	5.75	2	6.77	2			G5		103795		
518	30	B ARI	02 34 04.321	+24 25 54.18	+0.0105	+0.005	7.37						DF6		75470	D	
519	30	A ARI	02 34 07.115	+24 25 51.35	+0.0100	-0.002	6.57						DF5		75471	D	
520	YZ	PER	02 34 46.856	+56 49 49.37	-0.0002	+0.013	7.7	6					M2	6	23484	V	
521	LAM- 2	FOR	02 34 54.007	-34 47 27.43	-0.0015	-0.266	5.79	2	6.45	2			DG1		193811		
522	CR	AND	02 34 54.925	+46 20 32.68	-0.0002	-0.010	8.9	6							78184	V	
523	81	CET	02 35 10.495	-03 36 41.63	+0.0024	-0.039	5.65	2	6.67	2	7.52	2	G65		130026		
524	CS	ERI	02 35 10.864	-43 10 47.27	+0.0080	+0.009	9.0	6	9.16	7	9.29	7	A2	6	215966	V	
525	UY	AND	02 35 13.099	+38 57 33.76	-0.0400	+0.305	9.5	6					N3	7	55730	V	
526	ETA	HOR	02 35 45.293	-52 45 31.96	+0.0093	-0.013	5.31	2	5.58	2			A5		232835		
527	32 NU	ARI	02 35 58.270	+21 44 46.88	-0.0006	-0.014	5.34		5.500				A7V		75495		
528	IOT- 2	FOR	02 36 09.263	-30 24 31.20	+0.0076	-0.083	5.83	2	6.31	2			DF6		193829		
529	V 482	CAS	02 36 53.748	+61 04 06.36	+0.0015	+0.028	7.8	6					O9.5III	7	12383	UV	
530	82 DEL	CET	02 36 54.985	+00 06 50.00	+0.0006	+0.001	4.06	2	3.85	2	2.97	2	B2IV		110665	V	
531	83 EPS	CET	02 37 08.592	-12 05 00.36	+0.0096	-0.234	4.84	2	5.29	2	5.28	2	F5IV-V		148528	n	
532	DO	CAS	02 37 34.524	+60 20 22.97	+0.0025	-0.007	8.6	6					A2	6	12388	V	
533	33	ARI	02 37 45.345	+26 50 50.75	+0.0050	-0.027	5.29		5.380				A3V		75510	D	
534	-S	ERI	02 37 53.568	-43 06 19.75	+0.0087	-0.021	4.750	1	4.810	1	4.870	1	A2V		215996	D	
535	Y	ARI	02 38 00.678	+30 59 10.46	-0.0000	-0.002	8.9	6					MC	6	55784	V	
536	W	TRI	02 38 27.438	+34 18 10.09	+0.0014	+0.005	8.4	6					MR	6	55785	V	
537	84	CET	02 38 40.075	-00 54 26.44	+0.0140	-0.131	5.71	2	6.23	2	6.21	2	DF6		130055	D	
538	IOT	ERI	02 38 41.625	-40 04 06.78	+0.0117	-0.025	4.110	1	5.130	1	5.870	1	K0III		215999		
539	EPS	HYI	02 38 48.796	-68 28 50.94	+0.0171	+0.009	4.11	2	4.05	2	3.91	2	B9III		248621		
540	12	PER	02 39 04.982	+39 59 01.47	-0.0014	-0.184	4.92	2	5.51	2	5.65	2	F9V		55793	V?	
541	ZET	HOR	02 39 06.229	-54 45 48.15	+0.0046	+0.006	5.26						DF5		232857		
542	11	PER	02 39 27.182	+54 53 38.58	+0.0044	-0.020	5.65		5.520				B8		23555		
543	34 MU	ARI	02 39 32.488	+19 47 58.68	+0.0021	-0.040	5.66		5.640				A0IV-V		93062	D	
544	AT	CET	02 39 41.722	-22 49 06.26	+0.0029	-0.023	8.0	6	9.49	7			M5	6	167977	V	
545	85	CET	02 39 47.143	+10 31 46.85	-0.0018	-0.018	6.30	2	6.36	2	6.42	2	A2V		93067	V?	
546	35	ARI	02 40 30.651	+27 29 44.29	+0.0006	-0.007	4.67	2	4.54	2	3.91	2	B3V		75532		
547	86 GAM	CET	02 40 42.397	+03 01 34.05	-0.0097	-0.148	3.470	1	3.560	1	3.630	1	A2V		110707	n	
548	X	FOR	02 40 45.301	-26 19 50.70	+0.0012	-0.032	8.6	6					M3	6	167998	V	
549	13 THE	PER	02 40 46.276	+49 01 06.44	+0.0342	-0.083	4.13	2	4.62	2	4.62	2	F7V		38288	D	
550	14	PER	02 40 49.110	+44 05 09.02	+0.0002	-0.004	5.46						G0IB		38289		

TABLE 4 CONTINUED
 STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAR PROP.	G N
551	IOT	HOR	02 40 51.285	-51 00 55.10		+0.0349	+0.229	5.41	2	5.97	2		G3IV		232864		
552	36	ARI	02 41 31.363	+17 33 12.67		+0.0027	-0.031	6.34					GK2		93081		
553	1W	CAS	02 41 44.362	+65 30 59.47		+0.0034	+0.019	8.2	6				B8	6	12431	V	
554	69 PI	CET	02 41 44.470	-14 04 10.17		-0.0008	-0.013	4.25	2	4.11	2	3.66	B7V		148575		
555	37 OMI	ARI	02 41 47.338	+15 06 04.54		-0.0002	-0.016	5.70		5.690			B9V		93082		
556	38 UV	ARI	02 42 13.841	+12 14 11.49		+0.0082	-0.080	5.08		5.30	7		A7IV		93083	V	
557	87 MU	CET	02 42 14.102	+09 54 15.02		+0.0190	-0.030	4.27	2	4.58	2	4.65	F0IV		110723		
558	KY	PER	02 42 19.630	+47 56 01.03		+0.0000	-0.033	8.5	6				B9	6	38304	V	
559	W	HOR	02 42 42.122	-54 30 41.59		-0.0011	+0.004	10.7	7				MC	6	232872	V	
560	1 TAU- 1	ERI	02 42 46.063	-18 46 59.50		+0.0229	+0.042	4.46	2	4.94	2	4.94	F6V		148584		
561	RZ	CAS	02 44 22.774	+69 25 32.93		+0.0005	+0.037	6.3					A2		12445	V	
562	GAM	HOR	02 44 23.157	-63 54 49.81		+0.0036	-0.005	5.69					K0		248642		
563	CU	ERI	02 44 34.929	-13 33 00.24		+0.0037	+0.038	8.4					G5	6	148600	V	
564	ZET	HYI	02 44 45.930	-67 49 35.41		+0.0125	+0.043	4.84	2	4.90	2	4.99	A3		248644		
565	39	ARI	02 44 55.468	+29 02 26.66		+0.0114	-0.119	4.52	2	5.63	2	6.66	K1III		75578		
566	ETA- 1	FOR	02 45 31.970	-35 45 29.85		-0.0038	-0.035	6.51					K0		193916		
567	T	ARI	02 45 32.038	+17 18 07.17		-0.0026	-0.002	7.4	4				M6	4	93115	V	
568	Z	ERI	02 45 32.104	-12 40 04.33		+0.0001	-0.036	6.4					M4III		148612	V	
569	40	ARI	02 45 43.579	+18 04 35.88		+0.0031	-0.033	5.87					GK1		93118	V?	
570	42 PI	ARI	02 46 29.805	+17 15 27.06		-0.0001	-0.012	5.21		5.150			B6IV		93127	DV?	
571	UPS- 1	FOR	02 46 38.139	-37 35 32.08		+0.0057	+0.070	7.0	4				F2	4	193926	D	
572	UPS- 2	FOR	02 46 38.503	-37 36 35.51		+0.0073	+0.099	8.5	4						193927	D	
573	W	PER	02 46 55.321	+56 46 37.54		-0.0042	+0.005	8.2	4				M7	4	23647	V	
574	BET	FOR	02 46 59.844	-32 36 54.11		+0.0071	+0.159	4.460	1	5.450	1	6.140	G6III		193931		
575	15 ETA	PER	02 47 01.935	+55 41 22.43		+0.0023	-0.011	3.790	1	5.480	1	7.380	K3IB		23655	D	
576	41 -C- 1	ARI	02 47 02.036	+27 03 20.55		+0.0050	-0.112	3.630	1	3.530	1	3.150	B8V		75596	DV?	
577	16	PER	02 47 25.066	+38 06 50.92		+0.0160	-0.104	4.23	2	4.57	2	4.65	F2III		55928		
578	SU	CAS	02 47 28.879	+68 40 59.22		+0.0009	-0.007	6.0		6.620	7		F5I-II		12472	V	
579	GAM- 1	FOR	02 47 38.022	-24 45 53.61		-0.0034	-0.124	6.14	2	7.21	2		G5		168081	D	
580	GAM- 2	FOR	02 47 44.149	-28 08 54.38		+0.0033	+0.032	5.39	2	5.41	2		A1		168082		
581	NU	HOR	02 47 54.688	-63 00 48.77		+0.0138	+0.032	5.26	2	5.36	2		A0		248656		
582	ETA- 2	FOR	02 48 13.441	-36 02 59.58		+0.0043	+0.025	5.82					K0		193940	D	
583	TX	CAS	02 48 14.883	+62 34 39.72		-0.0038	+0.006	9.0	6						12477	V	
584	17	PER	02 48 25.535	+34 51 19.19		+0.0012	-0.062	4.53	2	6.09	2	8.01	K5III		55946		
585	ETA- 3	FOR	02 48 39.120	-35 52 50.71		+0.0001	-0.057	5.49					GK5		193944		
586	43 SIG	ARI	02 48 43.655	+14 52 38.06		+0.0022	-0.024	5.43		5.330			B7V		93144		
587	2 TAU- 2	ERI	02 48 46.150	-21 12 32.91		-0.0038	-0.018	4.77	2	5.67	2	6.28	K0III		168094	D	
588	RR	ERI	02 49 47.096	-08 28 16.65		-0.0004	-0.018	8.0	6				M5III	7	130157	V	
589	20	PER	02 50 32.708	+38 08 06.74		+0.0040	-0.074	5.25					F4V		55975	DV?	
590	18 TAU	PER	02 50 41.856	+52 33 33.90		+0.0000	-0.001	3.950	1	4.700	1	5.160	G5III+A5		23685	DV?	
591	NU	HYI	02 50 46.274	-75 16 16.59		-0.0071	-0.018	4.755	1	6.085	1	7.645	GK4		255929		
592	PSI	FOR	02 51 36.750	-38 38 26.09		+0.0040	+0.044	5.92	2	6.36	2		DF7		193965		
593	44	ARI	02 52 06.726	+17 31 57.71		+0.0025	-0.019	6.93	4				A3	4	93178		
594	45 RZ	ARI	02 52 59.598	+18 07 48.95		-0.0006	-0.014	5.94					GM6		93189	V	
595	46 RHO	ARI	02 53 36.479	+17 49 30.02		+0.0193	-0.207	5.50					DF5		93195		
596	3 ETA	ERI	02 53 58.952	-09 05 45.89		+0.0050	-0.217	3.870	1	4.990	1	5.970	K1III		130197	V?	
597	21 LT	PER	02 54 14.716	+31 44 03.08		-0.001	-0.029	5.10		5.090			A SI		56031	V	
598	4	ERI	02 55 10.270	-24 03 41.80		+0.0069	-0.027	5.45	2	5.68	2		A4		168183		
599	47	ARI	02 55 13.168	+20 28 10.11		+0.0166	-0.027	5.80	2	6.21	2	6.22	DF5		75662		
600	22 PI	PER	02 55 33.275	+39 27 50.67		+0.0025	-0.037	4.70	2	4.76	2	4.88	A2V		56047		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
601	6	ERI	02 55 52.169	-23 48 22.53	+0.0041	+0.053	5.84	2	7.17	2			GK2		168191		
602	24	PER	02 55 57.291	+34 59 02.76	-0.0039	+0.010	4.94	2	6.19	2	7.47	2	K2III		56052		
603	46 EPS	ARI	02 56 20.825	+21 08 29.91	-0.0012	-0.002	4.63	2	4.67	2	4.75	2	A2V		75673	DV?	
604	THE- 1	ERI	02 56 21.882	-40 30 15.15	-0.0045	+0.023	2.554	1	2.674	1	2.794	1	A3V		216113	DV?	74
605	THE- 2	ERI	02 56 22.578	-40 30 14.34	-0.0062	+0.022	3.554	1	3.674	1	3.794	1	A2		216114	DV?	75
606	ST	PER	02 56 53.837	+38 59 33.02	-0.0000	-0.013	9.0	6					A	6	56066	V	
607	XY	CET	02 56 56.971	+03 19 09.34	-0.0003	-0.004	8.6	6					A0	7	1108A7	V	
608	91 LAM	CET	02 57 01.871	+08 42 33.54	+0.0002	-0.010	4.70	2	4.58	2	4.13	2	B5III		1108A9		
609	5	ERI	02 57 09.496	-02 39 46.32	-0.0011	-0.021	5.56	2	5.48	2	5.29	2	B9		130228	V?	
610	ZET	FOR	02 57 23.999	-25 28 24.57	+0.0130	+0.091	5.71	2	6.11	2			A9M		168209		
611	BET	HOR	02 57 50.778	-64 16 10.53	+0.0032	+0.016	4.99	2	5.12	2	5.27	2	A5V		248701		
612	7 CV	ERI	02 58 19.598	-03 04 33.63	+0.0010	+0.009	6.11	2	7.88	2	9.95	2	GM1		130242	V	
613	8 RHO- 1	ERI	02 58 42.365	-07 51 31.98	+0.0062	-0.067	5.75	2	6.80	2	7.67	2	DG6		130243		
614	49	ARI	02 58 56.987	+26 15 56.98	-0.0011	+0.008	5.86		6.000				A M		75693		
615	47	CEP	02 59 21.230	+79 13 26.34	-0.0129	+0.012	5.46						M1III?		4810	D	
616	51	ARI	02 59 27.740	+26 24 56.33	+0.0176	-0.161	6.72	4					G0	4	75696		
617	EPS	FOR	02 59 28.210	-28 16 54.52	+0.0205	-0.420	5.89	2	6.68	2			G5IV		168238		
618	92 ALP	CET	02 59 39.744	+03 53 41.15	-0.0008	-0.074	2.530	1	4.170	1	6.100	1	M2III		110920		
619	93	CET	02 59 45.181	+04 09 24.69	+0.0007	+0.009	5.62	2	5.52	2	5.11	2	B7III		110921		
620	11 TAU- 3	ERI	03 00 11.170	-23 49 10.10	-0.0107	-0.051	4.090	1	4.250	1	4.330	1	A5V		168249		
621	9 RHO- 2	ERI	03 00 14.892	-07 52 51.43	+0.0028	+0.001	5.32	2	6.26	2	6.99	2	GG5		130254	D	
622	23 GAM	PER	03 01 09.595	+53 18 44.28	+0.0000	-0.002	2.930	1	3.630	1	4.080	1	G8III2+A3?		23789	D	
623	CW	ERI	03 01 41.412	-17 55 56.91	+0.0041	-0.021	7.8	6					F0	6	148743	V	
624	-K	PER	03 01 45.968	+56 30 40.39	-0.0019	+0.077	4.93						K0II-III		23791		
625	10 RHO- 3	ERI	03 01 48.952	-07 47 43.01	+0.0034	+0.015	5.26	2					A4		130269		
626	25 RHO	PER	03 01 57.795	+38 38 52.85	+0.0111	-0.102	3.390	1	5.040	1	6.830	1	M4II-III		56138	V	
627	THE	HYI	03 02 08.283	-72 05 51.69	+0.0065	+0.019	5.53	2	5.39	2	4.88	2	B8		255945	D	
628	V	HOR	03 02 14.490	-59 07 38.16	+0.0076	-0.005	7.0	4					MR	4	232977	V	
629	MU	HOR	03 02 25.945	-59 55 52.17	-0.0093	-0.061	5.11	2	5.45	2			DF2		232981		
630	52	ARI	03 02 30.350	+25 03 43.21	+0.0002	-0.004	5.36		5.340				B7V		75723	D	
631	KX	CAS	03 03 15.350	+67 23 07.56	-0.0018	-0.000	8.8	6							12609	V	
632	V 383	PER	03 03 26.431	+33 25 58.11	+0.0011	-0.009	7.7	6	7.69	7			B9V	7	56158	V	
633	53 UW	ARI	03 04 36.452	+17 41 17.98	-0.0018	+0.010	6.06						B2V		93294	V	
634	26 BET	PER	03 04 54.356	+40 45 52.46	+0.0003	+0.002	2.120	1	2.070	1	1.700	1	B8V		38592	DV	
635	IOT	PER	03 05 26.709	+49 25 26.63	+0.1295	-0.078	4.050	1	4.650	1	4.760	1	G0V		38597		
636	54	ARI	03 05 30.787	+18 36 16.03	+0.0033	-0.013	6.34						GM0		93293		
637	X	ARI	03 05 48.042	+10 15 23.80	+0.0054	-0.070	9.0	6	9.280	7			A2	6	93297	V	
638	YY	CAS	03 05 56.365	+65 33 10.61	-0.0025	+0.041	8.7	6							12631	V	
639	27 KAP	PER	03 06 06.756	+44 40 10.21	+0.0167	-0.153	3.810	1	4.790	1	5.620	1	K0III		38609	DV?	
640	55	ARI	03 06 35.839	+28 53 15.10	+0.0015	-0.010	5.62		5.750				B7V		75757		
641	AY	PER	03 06 51.220	+50 44 33.16	+0.0007	-0.011	8.7	6					B9	6	23850	V	
642	28 OME	PER	03 08 03.167	+39 25 23.39	-0.0020	+0.008	4.64	2	5.75	2	6.77	2	K0III		56224		
643	V 368	CAS	03 08 36.850	+59 43 55.83	-0.0006	+0.003	8.5	6					B8	6	23874	V	
644	57 DEL	ARI	03 08 45.885	+19 32 20.22	+0.0107	-0.007	4.37	2	5.40	2	6.26	2	K2III		93328	V?	
645	56 SX	ARI	03 09 15.105	+27 04 11.60	+0.0008	-0.013	5.67		5.580				A P		75788	V	
646	LX	PER	03 09 53.306	+47 55 23.23	+0.0065	-0.063	8.6						G5	6	38651	V	
647	ALP	FOR	03 09 56.750	-29 10 59.42	+0.0254	+0.644	3.850	1	4.360	1	4.410	1	F8IV		168373	DV?	
648	CC	CAS	03 10 07.408	+59 22 38.48	+0.0001	+0.004	7.09	4					B5	4	23896	V	
649	94	CET	03 10 13.156	-01 22 54.84	+0.0129	-0.063	5.06	2	5.63	2	5.75	2	F8V		130355	D	
650	TW	HOR	03 11 16.947	-57 30 29.47	+0.0016	+0.13	5.74	2	8.01	2			NA		233037	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	S N
651	TV C&T	03 12 00.317	+02 34 09.84		+0.0009	+0.015	8.4	6					F0	6	111068	V	
652	58 ZET ARI	03 12 01.326	+20 51 37.93		-0.0019	-0.071	4.89	2	4.87	2	4.86	2	A0IV-V		75810		
653	13 ZET ERI	03 13 24.143	-09 00 15.50		-0.0006	+0.049	4.80	2	5.03	2	5.12	2	A M	6	130387		
654	RY FOR	03 13 42.878	-24 52 33.62		+0.0013	+0.040	9.0	6					M		168423	V	
655	48 CEP	03 13 53.961	+77 33 14.61		+0.0201	-0.055	5.45	2	5.64	2	5.75	2	A4N		4875	DV?	
656	14 ERI	03 14 10.186	-09 20 18.49		-0.0008	+0.050	6.14	2	6.54	2	6.50	2	DF4		130395		
657	30 PER	03 14 24.905	+43 50 34.19		+0.0030	-0.026	5.47	2	5.41	2	5.07	2	B8V		38704		
658	29 PER	03 15 03.350	+50 02 26.47		+0.0031	-0.023	5.15	2	5.09	2	4.53	2	B3V		23944		
659	31 PER	03 15 33.377	+49 54 50.23		+0.0024	-0.022	5.03	2	4.97	2	4.44	2	B5V		38714		
660	95 CET	03 15 48.721	-01 06 39.98		+0.0165	-0.048	5.37	2	6.41	2	7.22	2	K1IV		130408		
661	15 ERI	03 16 09.419	-22 41 34.59		+0.0010	+0.014	4.88	2	5.78	2			G66		168452	D	
662	ZET-1 RET	03 16 40.785	-62 45 57.85		+0.1946	+0.661	5.54	2	6.18	2			G2V		248770		
663	96 KAP CET	03 16 44.129	+03 11 17.27		+0.0178	+0.098	4.84	2	5.52	2	5.71	2	G5V		111120	V?	
664	59 ARI	03 16 56.244	+26 53 30.43		-0.0019	-0.072	5.86						G65		75863		
665	UZ PER	03 17 00.532	+31 50 29.15		+0.0006	+0.003	8.9	6							56354	V	
666	ZET-2 RET	03 17 07.399	-62 41 47.77		+0.1936	+0.658	5.24	2	5.84	2			G1V		248774		
667	IOT HYI	03 17 09.867	-77 34 17.51		+0.0351	+0.066	5.52	2	5.96	2	5.96	2	F2		255973		
668	10 TAU-4 ERI	03 17 17.471	-21 56 19.62		+0.0034	+0.036	3.700	1	5.320	1	7.130	1	GM3		168460	DV	
669	60 -C-2 ARI	03 17 27.372	+25 29 02.65		+0.0013	-0.084	6.30						GK3		75875		
670	-E ERI	03 17 55.851	-43 15 35.73		+0.2783	+0.748	4.270	1	4.980	1	5.200	1	G5V		216263		
671	32 -L PER	03 18 05.008	+43 09 01.96		-0.0054	+0.001	4.95	2	4.99	2	5.06	2	A3V		38750	V?	
672	61 TAU ARI	03 18 20.100	+20 58 05.58		+0.0019	-0.023	5.18						B5V		75886		
673	97 CET	03 18 29.662	+03 29 48.63		+0.0032	-0.022	5.69	2	6.66	2	7.42	2	G68		111142		
674	62 ARI	03 19 11.403	+27 25 45.84		+0.0007	-0.011	5.54						G65		75892		
675	675 VW ERI	03 19 16.438	-21 38 09.20		+0.0053	+0.020	8.8	6					K7	6	168483	V	
676	63 ARI	03 19 52.271	+20 33 52.25		-0.0031	-0.020	5.14						K3III		75899		
677	33 ALP PER	03 20 44.441	+49 41 06.03		+0.0026	-0.022	1.790	1	2.270	1	2.660	1	F5IB		38787	V?	
678	64 ARI	03 21 20.955	+24 32 54.53		+0.0009	-0.043	5.58						GK4		75912		
679	65 ARI	03 21 32.793	+20 37 38.96		-0.0001	-0.004	6.03		5.980				A0V		75915		
680	1 OMI TAU	03 22 07.121	+08 51 15.25		-0.0046	-0.075	3.600	1	4.490	1	5.110	1	G8III		111172	V?	
681	VX ERI	03 22 47.074	-12 31 48.47		+0.0011	+0.012	8.7	6					M3	6	148953	V	
682	UX ARI	03 23 32.953	+28 32 32.35		+0.0016	-0.106	6.51	4	7.42	7	7.90	7	G5V+K0IV:	7	75927	V	
683	CHI-1 FOR	03 23 59.765	-36 05 42.54		+0.0019	-0.004	6.39	2	6.47	2			A2		194289	V?	
684	2 XI TAU	03 24 27.329	+09 33 35.17		+0.0039	-0.035	3.750	1	3.660	1	3.330	1	B6P		111195		
685	66 ARI	03 25 30.857	+22 37 59.76		+0.0000	-0.101	6.00						G66		75945	D	
686	CHI-2 FOR	03 25 37.066	-35 51 15.67		+0.0056	-0.009	5.71	2	7.00	2			K0		194312		
687	34 PER	03 25 46.839	+49 20 15.04		+0.0027	-0.024	4.67	2	4.58	2	4.01	2	B5V		38872	D	
688	CHI-3 FOR	03 26 15.664	-36 01 31.66		+0.0020	-0.000	6.50	2	6.63	2			A0		194318	D	
689	R PER	03 26 51.747	+35 30 01.93		+0.0004	-0.008	7.9	4					M2E	4	56496	V	
690	35 SIG PER	03 27 02.277	+47 49 27.84		+0.0004	+0.023	4.38	2	5.72	2	7.25	2	K3III		38890	V?	
691	T FOR	03 27 29.439	-28 34 26.07		+0.0038	+0.006	9.2	6					B9.5V		168584	V	
692	4 -S TAU	03 27 40.267	+11 09 58.68		-0.0007	-0.015	5.11		5.080				K0II-III		93463		
693	5 -F TAU	03 28 06.502	+12 46 00.30		+0.0013	+0.002	4.10	2	5.23	2	6.25	2	B8V		93469		
694	17 -V ERI	03 28 08.031	-05 14 43.17		+0.0006	+0.010	4.73	2	4.64	2	4.37	2	B8V		130528		
695	KAP RET	03 28 29.944	-63 06 47.94		+0.0560	+0.376	4.71	2	5.10	2	5.06	2	F5V		248819		
696	36 PER	03 28 57.804	+45 53 21.30		-0.0050	-0.066	5.32	2	5.73	2	5.71	2	F4III		38924	V?	
697	TU HOR	03 29 00.677	-47 32 42.31		+0.0076	+0.023	5.99	2	6.10	2			A2V		216357	V	
698	KP PER	03 29 12.536	+44 41 14.08		+0.0011	-0.010	6.40	2	6.43	2	5.70	2	B2IV		38927	V	
699	-T TAU	03 29 53.410	+09 12 21.13		+0.0021	-0.041	5.77	2	5.69	2			B8		111246		
700	AS ERI	03 29 54.634	-03 28 52.48		-0.0030	-0.033	8.2	6					A0	6	130554	V	

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TABLE 4 C. (CONTINUED)
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	PT.	ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR C.T.NO.	STAR PROP.	G N
701	IA	PER	03 30 15.704	+39 43 57.35		+0.0005	-0.037	5.0		5.910				A "		56578	V	
702	AZ	FOR	03 30 15.612	-25 49 35.35		-0.0016	-0.004	8.0	6					M5	6	168610	V	
703	1. ERS	ERI	03 30 34.355	-09 37 34.76		-0.0662	+0.019	3.730	1	4.610	1	5.190	1	K2V		130564		
704	7	TAU	03 31 28.599	+24 17 53.88		+0.0006	-0.021	5.90		6.030				A3V		75989	D	
705	19 TAU- 5	ERI	03 31 34.657	-21 47 57.95		+0.0029	-0.024	4.28	2	4.16	2	3.81	2	B8V		168634		
706	IX	PER	03 31 53.832	+31 51 04.17		+0.0041	-0.043	6.6	6					F0	6	56559	V	
707	BT	ERI	03 32 41.545	-39 34 41.88		-0.0041	-0.029	9.4	6					A0	6	104383	V	
708	37 PSI	PER	03 32 55.512	+48 01 41.40		+0.0025	-0.023	4.23	2	4.17	2	3.61	2	B5E		38940		
709	20	ERI	03 34 00.593	-17 37 53.15		+0.0014	-0.007	5.23	2	5.10	2			A0SI		149063		
710	9	TAU	03 34 01.282	+23 02 49.72		-0.0010	-0.020	6.69	4					A0P	4	76029		
711	1	TAU	03 34 19.095	+00 14 39.54		-0.0157	-0.481	4.28	2	4.85	2	4.93	2	F8V		111292		
712	-Y	ERI	03 35 17.911	-40 26 15.91		-0.0013	-0.026	4.580	1	5.620	1	6.390	1	K0III		216405		
713	41	ERI	03 36 32.849	-05 47 66.61		-0.0013	-0.203	5.96	2	6.88	2	7.54	2	DK1		130634		
714	TAU	FOR	03 36 42.771	-28 06 19.13		+0.0014	-0.030	6.01	2	5.99	2			A0V		168701		
715	12	TAU	03 37 14.671	+02 53 44.19		-0.0026	+0.010	5.57	2	6.51	2	7.18	2	GG6		111334		
716	U	CAM	03 37 29.094	+62 29 18.79		+0.0034	+0.016	7.6	4					NR	4	12870	V	
717	11	TAU	03 37 46.777	+25 10 09.75		+0.0007	-0.010	6.02		6.080				A2V		76073		
718	22	ERI	03 38 09.643	-05 22 15.47		-0.0005	-0.006	5.53	2	5.38	2	4.81	2	B8		130652		
719	HR	HOR	03 38 50.659	-52 53 21.12		+0.0151	-0.010	9.	7					G	6	233216	V	
720	40 -O	PER	03 39 11.977	+33 48 22.37		-0.0004	-0.007	4.96		4.940				B0.5V		56646	D	
721	39 DEL	PER	03 39 21.241	+47 37 46.34		+0.0028	-0.032	3.010	1	2.890	1	2.380	1	B5III		39057	V?	
722	13	TAU	03 39 25.620	+19 32 29.98		+0.0001	-0.010	5.56		5.550				B8V		93557		
723	DEL	FOR	03 40 15.499	-32 05 49.36		+0.0004	-0.017	5.000	1	4.840	1	4.240	1	B5		104467		
724	23 DEL	ERI	03 40 51.035	-09 55 53.05		-0.0067	+0.746	3.540	1	4.460	1	5.130	1	K0IV		130686		
725	14	TAU	03 40 53.445	+19 30 30.60		+0.0082	-0.052	6.14	2	7.15	2	7.89	2	K0III		93568		
726	-H	ERI	03 40 58.757	-37 28 13.25		-0.0079	-0.070	4.585	1	5.785	1	7.095	1	GK2		104475	D	
727	38 OMI	PER	03 41 10.598	+32 07 53.47	L	+0.0006	-0.009	3.830	1	3.88	1	3.130	1	B1III		56673	DV	
728	SS	CEP	03 41 32.814	+80 10 05.66		-0.0019	+0.019	6.7	4					MR	4	594	V	
729	41 NU	PER	03 41 47.281	+42 25 20.61		-0.0012	+0.000	3.770	1	4.190	1	4.510	1	F5II		39078	DV?	
730	16	TAU	03 41 49.528	+24 08 01.54		+0.0009	-0.043	5.46	2	5.42	2	5.09	2	B7IV		76126		
731	17	TAU	03 41 54.055	+23 57 27.82		+0.0014	-0.042	3.700	1	3.580	1	3.180	1	B6III		76131		
732	24	ERI	03 41 57.943	-01 19 10.07		-0.0002	-0.003	5.25	2	5.15	2	4.76	2	B7IV		130698		
733	18	TAU	03 42 10.395	+24 41 02.03		+0.0015	-0.044	5.65	2	5.58	2	5.22	2	B8V		76137		
734	19 -O	TAU	03 42 13.572	+24 18 42.91		+0.0014	-0.042	4.30	2	4.19	2	3.73	2	B6V		76140		
735	25	ERI	03 42 22.897	-00 27 09.50		+0.0035	+0.002	5.55	2	6.97	2	8.69	2	K4III		130704		
736	20	TAU	03 42 50.756	+24 12 47.01		+0.0015	-0.043	3.870	1	3.800	1	3.400	1	B7III		76155	V?	
737	21	TAU	03 42 55.370	+24 24 00.00		+0.0009	-0.039	5.76	2	5.72	2	5.49	2	B8V		76159		
738	29 -U	TAU	03 43 00.821	+05 53 41.52		+0.0010	-0.007	5.35	2	5.24	2	4.63	2	B3V		111400	D	
739	22	TAU	03 43 03.846	+24 22 24.38		+0.0011	-0.041	6.43	2	6.41	2	6.26	2	B9V		76164		
740	23	TAU	03 43 21.195	+23 47 38.99		+0.0016	-0.042	4.18	2	4.12	2	3.70	2	B6IV		76172		
741	BET	RET	03 43 33.963	-64 57 50.21		+0.0495	+0.078	3.850	1	4.985	1	6.095	1	K0IV		248877		
742	20 PI	ERI	03 43 46.541	-12 15 25.99		+0.0028	+0.059	4.42	2	6.04	2	8.05	2	GM2		149158	V	
743	V 534	TAU	03 44 04.104	+24 39 59.30		+0.0023	-0.034	8.4	6	8.76	7	8.88		A9V	7	76184	V	
744	S	FOR	03 44 04.598	-24 32 45.66		+0.0007	-0.004	8.2	6					F8	6	168815	DV	
745	24	TAU	03 44 22.400	+23 57 46.99		+0.0016	-0.044	8.1	4					A0	4	76192		
746	SIG	FOR	03 44 25.013	-29 29 32.61		+0.0000	+0.014	5.90	2	6.02	2			A2		168820	D	
747	ETA	TAU	03 44 30.424	+23 57 07.57		+0.0014	-0.044	2.870	1	2.780	1	2.430	1	B7III		76199	D	
748	27 TAU- 6	ERI	03 44 41.716	-23 23 46.59		-0.0118	-0.527	4.23	2	4.65	2	4.66	2	F3V		168827		
749	GAM	CAM	03 45 02.619	+71 10 51.59		+0.0044	-0.037	4.66	2	4.69	2	4.76	2	A3IV		5006		
750	CD	ERI	03 45 20.760	-08 45 52.32		-0.0012	+0.002	9.1	6					A0	6	130726	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	G N
751	28 TAU- 7	ERI	03 45 30.513	-24 01 42.50		+0.0028	+0.050	5.24	2	5.31	2		A2		168836		
752	30 -E	TAU	03 45 31.521	+10 59 27.51		+0.0018	-0.019	6.00					B3V		93611	OV?	
753	V 376	PER	03 45 40.654	+43 48 37.83		+0.0001	+0.024	5.85					F0	6	19128	V	
754	RHO	FOR	03 45 54.769	-30 19 03.33		+0.0020	-0.243	5.54	2	6.52	2		G65		194535	V?	
755	27	TAU	03 46 11.030	+23 54 07.66		+0.0013	-0.043	3.620	1	3.530	1	3.170	B8III		76228	OV?	
756	26	TAU	03 46 12.391	+23 59 07.56		+0.0010	-0.047	5.09	2	5.01	2	4.73	B8P		76229	V	
757	XY	PER	03 46 17.448	+38 49 49.78		+0.0025	-0.016	9.0	6						56726	V	
758	BR	ERI	03 46 20.841	-07 10 00.14		+0.0008	-0.025	7.8	6				MB	6	130743	V	
759	42 -N	PER	03 46 22.612	+32 56 22.93		-0.0023	+0.001	5.10		5.180			A2V		56727		
760	-F- 1	ERI	03 46 44.672	-37 46 26.24		+0.0044	-0.010	5.338	2	5.328	2	5.288	A0		194550	OV?	70
761	-F- 2	ERI	03 46 45.045	-37 46 19.90		+0.0061	-0.022	4.778	2	4.768	2	4.728	A0		194551	OV?	71
762	-G	ERI	03 47 34.895	-36 21 02.40		-0.0043	-0.049	4.170	1	5.120	1	5.800	G5III		194559		
763	GAM	HYI	03 47 59.464	-74 23 33.53		+0.0130	+0.117	3.250	1	4.870	1	6.835	M0III		256029		
764	SU	ERI	03 48 54.689	-01 31 13.81		-0.0011	-0.012	8.6	6				MC	6	130773	V	
765	31	TAU	03 49 20.056	+06 23 09.69		+0.0005	-0.004	5.67	2	5.73	2	5.30	B9		111469	V	
766	BV	ERI	03 49 30.314	-10 40 39.04		-0.0034	-0.134	8.5	6				F2	6	149215	V	
767	BL	TAU	03 50 07.194	+20 03 36.69		+0.0005	-0.002	8.9	6						76297	V	
768	30	ERI	03 50 13.259	-05 30 33.52		-0.0011	-0.009	5.48	2	5.38	2	4.97	B8		130789	V	
769	RW	CAM	03 50 15.152	+58 30 22.13		-0.0018	-0.001	8.6	6	9.780	7		K2	6	24282	V	
770	X	TAU	03 50 31.585	+07 37 26.40		+0.0040	-0.109	6.6	4				F5	4	111476	V	
771	44 ZET	PER	03 50 58.959	+31 44 12.55		+0.0005	-0.009	2.850	1	2.970	1	2.190	B1IB		56709	OV?	
772	33 TAU- 8	ERI	03 51 34.897	-24 45 33.23		+0.0014	-0.014	4.65	2	4.52	2	4.04	B5V		168925		
773	SIG	ERI	03 51 44.547	-34 52 45.21		+0.0027	-0.011	5.11	2	4.98	2		B6IV		194608		
774	32 -W- 1	ERI	03 51 46.545	-03 05 57.22		+0.0016	+0.010	6.098	2	6.778	2	7.198	A1V		130805	D	72
775	32 -W- 2	ERI	03 51 46.679	-03 06 04.36		+0.0016	+0.005	4.719	2	5.399	2	5.819	G8III		130806	V	73
776	V 479	TAU	03 51 48.394	+05 01 42.86		+0.0017	-0.020	8.5	6	8.89	7		F3II-III	7	111492	OV	
777	X	PER	03 52 15.134	+30 54 00.82		-0.0010	-0.005	6.10	2	6.39	2	5.58	O PE		56815	OV	
778	RU	ERI	03 52 25.246	-15 04 49.56		+0.0007	-0.062	9.1	6				F8	6	149243	V	
779	43 A	PER	03 52 52.725	+50 33 08.98		+0.0097	-0.127	5.28	2	5.69	2	5.69	F5IV		24314	D	
780	T	ERI	03 53 05.584	-24 10 40.65		+0.0030	-0.007	7.4	4				M4E		168950	V	
781	32	TAU	03 53 54.497	+22 20 08.19		+0.0049	-0.106	5.69					DF3		76339		
782	33	TAU	03 54 05.640	+23 01 54.79		+0.0007	-0.016	5.97		5.960			B9.5IV		76343		
783	PL	ERI	03 54 13.932	-09 53 41.18		+0.0027	+0.017	6.19	2	6.47	2		F0	6	130833	V	
784	45 EPS	PER	03 54 29.432	+39 52 02.53		+0.0015	-0.024	2.890	1	2.710	1	1.710	B0.5V		56840	OV?	
785	V 386	PER	03 54 49.499	+34 40 18.22		+0.0011	-0.016	6.36					A8V	7	56847	V	
786	34 GAM	ERI	03 55 41.672	-13 38 58.17		+0.0039	-0.110	2.940	1	4.540	1	6.520	M0III		149283	D	
787	46 XI	PER	03 55 42.825	+35 38 56.50		+0.0003	+0.001	4.040	1	4.060	1	3.130	O7		56856	V?	
788	IQ	PER	03 56 06.744	+48 00 36.80		+0.0007	+0.009	7.9	6				B9	7	39231	V	
789	KY	ERI	03 56 42.201	-17 22 16.85		+0.0010	+0.009	9.4	6				G0	6	149294	V	
790	36 TAU- 9	ERI	03 57 47.470	-24 09 25.12		+0.0004	+0.011	4.66	2	4.52	2	4.11	A S1		169017		
791	35 LAM	TAU	03 57 54.378	+12 01 02.13		-0.0005	-0.009	3.410	1	3.290	1	2.660	B3V		93719	V	
792	DEL	RET	03 57 56.956	-61 32 27.65		+0.0014	-0.017	4.550	1	6.170	1	8.120	M2III		248918		
793	WW	TAU	03 58 34.607	+30 06 56.94		+0.0000	+0.005	9.1	6				K7	6	56908	V	
794	35	ERI	03 58 59.843	-01 41 18.14		+0.0013	-0.014	5.28	2	5.13	2	4.58	B5V		130878		
795	V 380	PER	03 59 51.752	+37 55 02.38		-0.0019	+0.005	7.87	4	8.01	7		A3P	7	56925	V	
796	GAM	RET	04 00 10.113	-62 17 54.81		+0.0003	+0.028	4.500	1	6.140	1	7.940	GM5		248925	V	
797	IOT	RET	04 00 29.261	-61 13 06.50		+0.0092	+0.095	4.960	1	6.380	1	8.080	GK4		248927		
798	38 NU	TAU	04 00 29.584	+05 51 07.47		+0.0001	-0.000	3.910	1	3.940	1	4.000	A1V		111579		
799	RX	CAM	04 00 49.264	+58 31 25.19		-0.0010	-0.006	8.0	6	9.030	7		G2IB-K2	7	24392	V	
800	RW	TAU	04 00 49.596	+27 59 22.38		+0.0024	-0.022	8.03	7	8.06	7		A0	6	76418	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
801	40 TAU	04 01 05.383	+05 17 56.68		-0.0000	-0.007	5.33	2	5.25	2	4.69	2	B3V		111585		
802	36 TAU	04 01 21.932	+23 58 11.82		-0.0002	-0.012	5.56						F5+A		76425	D	
803	UV CAM	04 01 31.482	+61 39 32.66		-0.0016	-0.012	7.3	6					R8	6	13009	V	
804	CX ERI	04 01 40.592	-39 30 54.46		-0.0006	+0.029	8.9	6					MA	6	194722	V	
805	37 A-1 TAU	04 01 44.065	+21 56 49.01		+0.0066	-0.056	4.37	2	5.44	2	6.39	2	K0III		76430		
806	V ERI	04 02 01.573	-15 51 39.31		+0.0009	-0.028	8.0	6					M6	6	149350	V	
807	39 A-2 TAU	04 02 22.353	+21 52 31.92		+0.0122	-0.133	5.90	2	6.52	2	6.64	2	DG1		76438		
808	47 LAM PER	04 02 50.904	+50 13 03.34		-0.0015	-0.034	4.29	2	4.31	2	4.27	2	B9V		24412		
809	SZ CAM	04 03 23.837	+62 11 59.67		-0.0013	+0.010	7.07						R0II-III		13030	UV	
810	CY ERI	04 03 30.969	-10 25 48.27		+0.0018	-0.003	7.30	4	8.91	7	10.70	7	GM4	7	149368	V	
811	41 GS TAU	04 03 32.044	+27 28 00.58		+0.0015	-0.051	5.19		5.050				A ST		76455	V	
812	AG PER	04 03 43.466	+33 18 46.54		+0.0010	-0.004	6.61	4					B3	4	56973	UV	
813	42 PSI TAU	04 03 54.653	+28 52 04.07		-0.0067	+0.007	5.32						DF1		76461		
814	BW ERI	04 04 33.905	-27 48 06.35		-0.0015	+0.000	9.2	6					A3	6	169130	V	
815	XX CAM	04 04 46.077	+53 13 43.99		-0.0008	+0.001	7.07	4					K0	4	24431	V	
816	49 PER	04 04 56.623	+37 35 53.44		-0.0093	-0.190	6.09	2	7.04	2	7.79	2	K1III		57000		
817	48 MX PER	04 05 01.311	+47 34 51.77		+0.0021	-0.028	4.030	1	4.000	1	3.450	1	B3V		39336	V	
818	50 PER	04 05 16.224	+37 54 38.68		+0.0139	-0.198	5.47						DF7		57006	D	
819	CZ ERI	04 05 38.603	-39 37 51.87		+0.0009	+0.000	8.6	6					MA	6	194779	V	
820	43 TAU	04 06 14.929	+19 28 43.16		+0.0076	-0.030	5.49						GK1		93785		
821	UD ERI	04 06 30.612	-08 13 54.52		-0.0015	-0.019	8.7	6					MC	6	130984	V	
822	SW PER	04 07 24.640	+42 04 50.02		-0.0004	-0.010	8.5	6					MA	6	39354	V	
823	44 -P TAU	04 07 46.846	+26 21 07.73		-0.0024	-0.036	5.40						DF3		76485	V	
824	37 ERI	04 07 56.008	-07 03 11.61		-0.0006	-0.012	5.44	2	6.38	2	7.05	2	GG6		131001		
825	45 TAU	04 08 40.382	+05 23 39.94		+0.0098	+0.011	5.73	2	6.09	2	6.08	2	DF4		111648		
826	DE ERI	04 08 52.527	-20 10 48.18		-0.0001	+0.002	8.4	6					M2	6	169201	V	
827	DEL HOR	04 09 09.444	-42 07 23.02		+0.0169	+0.067	4.930	1	5.260	1	5.330	1	DF0		216682		
828	38 OMI-1 ERI	04 09 25.339	-06 57 59.74		+0.0003	+0.083	4.050	1	4.380	1	4.530	1	F2III		131019	V	
829	YY ERI	04 09 46.525	-10 35 43.58		-0.0077	-0.122	8.4	6					G5	6	149449	V	
830	46 TAU	04 10 51.367	+07 35 23.29		-0.0003	+0.009	5.29	2	5.65	2	5.65	2	F3V		111672	D	
831	BM ERI	04 11 06.901	-10 30 46.35		+0.0007	-0.027	7.9	6					M3	6	149466	V	
832	51 MU PER	04 11 13.008	+48 17 03.73		+0.0006	-0.016	4.15	2	5.10	2	5.74	2	G0Ia		39404	UV?	
833	47 TAU	04 11 13.026	+09 08 18.55		-0.0008	-0.036	4.84	2	5.64	2	6.15	2	GG5		111674	D	
834	LF ERI	04 11 17.765	-36 40 16.30		+0.0026	+0.019	8.1	6					MA	6	194878	V	
835	52 -F PER	04 11 28.714	+40 21 32.43		+0.0012	-0.023	4.71	2	5.72	2	6.36	2	Gn+A5		39409		
836	39 A ERI	04 12 00.832	-10 22 44.97		-0.0010	-0.162	4.86	2	6.04	2	7.18	2	K3III		149478	D	
837	WW DOR	04 12 15.752	-50 42 41.98		-0.0018	+0.004	8.5	6					MA	6	233439	V	
838	ALP HOR	04 12 20.591	-42 25 00.31		+0.0036	-0.208	3.860	1	4.960	1	5.970	1	K1III		216710		
839	49 MU TAU	04 12 48.954	+08 46 07.09		+0.0014	-0.022	4.30	2	4.25	2	3.74	2	B3V		111696		
840	48 TAU	04 12 55.737	+15 16 37.43		+0.0080	-0.027	6.32	2	6.72	2	6.74	2	DF2		93836	V?	
841	40 OMI-2 ERI	04 12 58.161	-07 43 45.89		-0.1501	-3.420	4.43	2	5.25	2	5.69	2	K1V		131063	D	
842	ZZ CAM	04 13 15.861	+62 13 26.91		-0.0040	+0.007	7.37	4					MA	4	13084	V	
843	ALP RET	04 13 46.543	-62 35 55.03		+0.0067	+0.050	3.350	1	4.260	1	4.890	1	G6II		248969	D	
844	WX DOR	04 13 51.226	-53 07 57.96		+0.0026	-0.021	9.0	6					MB	6	233449	V	
845	50 OME TAU	04 14 19.595	+20 27 25.70		-0.0031	-0.057	4.94	2	5.20	2	5.31	2	A M		76532		
846	-B-1 PER	04 14 28.443	+50 10 28.93		+0.0050	-0.052	4.61	2	4.65	2	4.68	2	A2		24531	V	
847	GAM DOR	04 14 42.867	-51 36 42.99		+0.0113	+0.189	4.25	2	4.55	2	4.58	2	F5V		233457	V	
848	51 TAU	04 15 25.390	+21 27 31.53		+0.0068	-0.034	5.65	2	5.93	2	6.00	2	DAR		76541		
849	EPS RET	04 15 36.943	-59 25 18.30		-0.0067	-0.162	4.44	2	5.52	2	6.59	2	GK1		233463	D	
850	41 UPS-4 ERI	04 16 00.036	-33 55 09.65	L	+0.0049	-0.006	3.560	1	3.440	1	3.070	1	B8.5V		194902	D	

TABLE 4. CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
851	-B- 2 PER	04 10 23.644	+50 48 05.63		+0.0006	-0.002	5.50						B2IV		24544	V?	
852	53 TAU	04 16 29.027	+21 01 22.94		+0.0022	-0.040	5.28		5.230		-		A P		76548		
853	56 TAU	04 16 38.847	+21 39 15.94		+0.0022	-0.038	5.24		5.100				A SI		76551		
854	54 GAM	04 16 56.651	+15 30 30.62		+0.0080	-0.024	3.650	1	4.640	1	5.450	1	K0III		93868	V?	
855	55 TAU	04 17 02.877	+16 24 12.84		+0.0081	-0.032	6.86	4					G0	4	93870	D	
856	THE- 1 RET	04 17 06.086	-63 22 32.53		-0.0044	-0.006	8.3	4						4	248985	D	
857	THE- 2 RET	04 17 06.303	-63 22 35.60		+0.003	+0.029	6.2	4					B9	4	248986	?	
858	57 -H TAU	04 17 08.522	+13 54 58.43		+0.0079	-0.019	5.59	2	5.87	2	5.95	2	F0V	7	93872		
859	54 PER	04 17 09.476	+34 26 52.30		-0.0019	-0.003	4.98						G8III		57171		
860	52 PHI	04 17 16.436	+27 13 58.39		-0.0018	-0.078	4.92						K1III		76558	D	
861	56 TAU	04 17 45.960	+14 58 37.86		+0.0074	-0.022	5.26	2	5.48	2	5.58	2	56A8		93876		
862	53 -D PER	04 17 55.662	+46 22 53.01		+0.0019	-0.036	4.86	2	4.84	2	4.30	2	B6III		39483	V?	
863	-D ERI	04 16 17.209	-07 42 38.55		-0.0002	-0.006	5.85	2	5.72	2	5.23	2	B5III		131132		
864	OG ERI	04 18 25.810	-16 56 55.91		-0.0004	-0.037	7.32	4					M5II	7	149559	V	
865	TZ ERI	04 19 12.984	-06 08 09.35		-0.0009	-0.037	9.0	6					A5	6	131144	V	
866	60 TAU	04 19 14.239	+13 57 37.91		+0.0077	-0.024	5.72	2	6.04	2	6.14	2	A M		93892		
867	59 CHI	04 19 32.079	+25 30 46.87		+0.0013	-0.021	5.38		5.360				B9.5V		76573	D	
868	61 DEL	04 20 02.844	+17 25 36.81		+0.0075	-0.028	3.760	1	4.750	1	5.570	1	K0III		93897	V?	
869	63 TAU	04 20 32.682	+16 39 43.73		+0.0072	-0.027	5.64	2	5.94	2	6.07	2	A M		93900		
870	62 TAU	04 20 58.605	+24 11 10.61		+0.0005	-0.008	6.14		6.300				B3V		76591	D	
871	66 -R TAU	04 21 08.090	+09 20 46.19		-0.0012	-0.006	5.12	2	5.19	2	5.30	2	A2		111791	D	
872	42 XI ERI	04 21 11.310	-03 51 34.77		-0.0036	-0.054	5.17	2	5.25	2	5.33	2	A2V		131176		
873	64 TAU	04 21 12.579	+17 19 47.19		+0.0077	-0.037	4.80	2	4.95	2	5.08	2	A7V		93907		
874	55 PER	04 21 14.140	+34 00 59.92		+0.0016	-0.043	5.54		5.470				B7V		57212		
875	DEL MEN	04 21 18.209	-80 19 58.75		+0.0063	+0.064	5.69	2	6.53	2	7.06	2	K0P		258372		
876	ETA RET	04 21 20.563	-63 30 17.09		+0.0133	+0.174	5.18		6.130				G7III		249009		
877	56 PER	04 21 22.591	+33 50 47.28		+0.0035	-0.071	5.73						DF5		57216	DV?	
878	UH ERI	04 21 38.850	-27 56 41.89		+0.0003	+0.041	7.9	6					M3	6	169405	V	
879	43 UPS- 3 ERI	04 22 09.409	-34 07 54.81		+0.0050	+0.051	3.960	1	5.450	1	7.250	1	M1III		194984		
880	65 KAP TAU	04 22 23.083	+22 10 51.94		+0.0070	-0.046	4.22	2	4.35	2	4.49	2	A7V		76601		
881	67 TAU	04 22 26.032	+22 05 13.99		+0.0079	-0.052	5.28	2	5.53	2	5.62	2	A5N		76602		
882	68 TAU	04 22 35.580	+17 48 55.20		+0.0076	-0.027	4.28	2	4.32	2	4.40	2	A2IV		93923	D	
883	70 TAU	04 22 45.844	+15 49 41.75		+0.0074	-0.027	6.46	2	6.95	2	6.97	2	DF5		93925	D	
884	69 UPS TAU	04 23 18.680	+22 42 06.75		+0.0076	-0.045	4.28	2	4.54	2	4.69	2	F0III-IV		76608		
885	71 TAU	04 23 29.605	+15 30 23.06		+0.0077	-0.021	4.50	2	4.75	2	4.89	2	F0V		93932		
886	73 PI TAU	04 23 46.677	+14 36 08.28		-0.0002	-0.032	4.69	2	5.67	2	6.39	2	G8III		93935		
887	72 TAU	04 24 17.800	+22 53 07.12		+0.0005	-0.015	5.37						B6V		76613		
888	NU MEN	04 25 18.896	-81 41 45.12		-0.0001	+0.131	5.79	2	6.14	2	6.19	2	A5M		258378		
889	76 TAU	04 25 33.235	+14 37 52.72		+0.0074	-0.022	5.90	2	6.22	2	6.28	2	DF0		93948		
890	R TAU	04 25 33.463	+10 03 08.88		+0.0011	-0.001	7.4	4					M6E	4	93949	V	
891	75 TAU	04 25 34.659	+16 14 58.50		+0.0004	+0.029	5.10						K2III		93950	V?	
892	74 EPS TAU	04 25 41.585	+19 04 16.36		+0.0076	-0.036	3.540	1	4.550	1	5.420	1	K0III		93954		
893	77 THE- 1 TAU	04 25 42.882	+15 51 10.15		+0.0071	-0.026	3.830	1	4.780	1	5.500	1	K0III		93955		
894	78 THE- 2 TAU	04 25 48.220	+15 45 41.80		+0.0071	-0.024	3.390	1	3.570	1	3.690	1	A7III		93957		
895	44 ERI	04 25 56.882	+01 16 17.25		+0.0009	-0.019	5.55	2	5.45	2	4.90	2	B8		111845		
896	79 -B TAU	04 26 01.921	+12 56 18.33		+0.0074	-0.012	5.03	2	5.26	2	5.38	2	A6N		93960		
897	RY CAM	04 26 07.748	+64 20 01.28		+0.0010	-0.025	8.2	6					M3III	7	13165	V	
898	RV CAM	04 26 31.896	+57 18 12.68		-0.0001	+0.001	8.2	6					M5	6	24656	V	
899	80 TAU	04 27 17.324	+15 31 49.66		+0.0070	-0.023	5.58	2	5.90	2	6.00	2	A6N		93970	D	
900	CT ERI	04 27 31.924	-33 41 04.34		-0.0017	+0.006	10.0	6					F0	6	195061	V	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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901	61 TAU	04 27 47.539	+15 35 05.33		+0.0071	-0.022	5.48	2	5.74	2	5.84	2	A7M		93978		
902	63 TAU	04 27 48.251	+13 37 02.18		+0.0072	-0.021	5.41	2	5.67	2	5.77	2	DF1		93979		
903	1 CAM	04 28 03.574	+53 48 15.94		+0.0000	-0.001	5.40						B0III		24672	n	
904	64 TAU	04 28 16.719	+14 59 56.13		+0.0031	-0.045	6.64	4					MA	4	93983		
905	85 TAU	04 29 00.180	+15 44 45.45		+0.0070	-0.026	6.02	2	6.36	2	6.39	2	A9N		93983		
906	DEL CAE	04 29 18.117	-45 03 36.59		+0.0003	-0.001	5.07	2	4.88	2			B3V		216850		
907	45 ERI	04 29 19.048	-00 08 59.17		-0.0001	-0.007	4.91	2	6.22	2	7.65	2	K3II-III		11270		
908	57 -M PER	04 29 53.385	+42 57 33.02		+0.0003	+0.005	6.02						DF1		39674		
909	86 RHO TAU	04 31 00.440	+14 44 27.45		+0.0069	-0.025	4.65	2	4.90	2	4.98	2	F0V		94007		
910	46 ERI	04 31 28.395	-06 50 32.55		-0.0004	-0.006	5.72	2	5.59	2	5.13	2	B9		131309	n	
911	50 UPS- 1 ERI	04 31 32.818	-29 51 59.49		-0.0081	-0.274	4.510	1	5.490	1	6.200	1	G66		169570	v?	
912	47 ERI	04 31 46.974	-08 20 04.58		-0.0022	+0.005	5.11	2	6.81	2	8.83	2	GM3		11315	v?	
913	YY PER	04 32 53.355	+44 52 36.08		+0.0002	-0.002	7.9	6							39636	v	
914	86 -D TAU	04 32 54.250	+10 03 35.26		+0.0036	-0.044	4.26	2	4.44	2	4.56	2	A M		94026	nv?	
915	ALP DOR	04 32 54.798	-55 08 51.77		+0.0061	-0.001	3.270	1	3.170	1	2.820	1	A0SI		233564	n	
916	R RET	04 33 01.116	-63 07 55.59		-0.0017	+0.040	6.8	4					M4F	4	249053	v	
917	87 ALP TAU	04 33 02.896	+16 24 37.51		+0.0045	-0.189	0.860	1	2.400	1	4.320	1	K5III		94027	nv	
918	58 -E PER	04 33 13.125	+41 09 50.57		-0.0013	-0.016	4.27	2	5.49	2	6.28	2	K0+A3		39639		
919	52 UPS- 2 ERI	04 33 36.315	-30 39 48.98		-0.0037	-0.012	3.820	1	4.800	1	5.520	1	K0III		105148		
920	46 NU ERI	04 33 49.094	-03 27 11.62		-0.0001	-0.003	3.920	1	3.710	1	2.830	1	B2III		131346	v	
921	SZ TAU	04 34 20.154	+18 26 35.17		-0.0012	-0.005	7.2	4	7.98	7			G0	4	94036	v	
922	UU ERI	04 34 32.837	-27 40 43.60		+0.0020	+0.016	9.0	6					M7	6	169608	v	
923	49 ERI	04 34 38.893	+00 53 54.65		-0.0006	-0.003	5.31	2	5.19	2	4.75	2	B7V		111928		69
924	51 -C ERI	04 35 04.971	-02 34 19.20		+0.0025	-0.059	5.23	2	5.51	2	5.55	2	A4		131358	n	
925	89 TAU	04 35 17.491	+15 56 05.25		+0.0064	-0.022	5.79	2	6.10	2	6.16	2	DA8		94043		
926	HU TAU	04 35 18.604	+20 35 09.41		-0.0012	-0.005	5.70		5.66				B8V		76680	v	
927	90 -C- 1 TAU	04 35 21.558	+12 24 43.81		+0.0067	-0.010	4.27	2	4.39	2	4.52	2	A5V		94044		
928	53 -L ERI	04 35 53.315	-14 24 01.60		-0.0055	-0.161	3.870	1	4.960	1	5.990	1	K2III		149781	n	
929	3 CAM	04 35 57.858	+52 58 56.11		-0.0001	-0.012	5.14						K0III		24743	n	
930	2 CAM	04 35 59.764	+53 22 36.89		+0.0054	-0.090	5.36						A5N		24744	n	
931	R DOR	04 36 10.395	-62 10 31.78		-0.0091	-0.083	4.500	1	6.250	1	7.500	1	GM7		249066	nv	
932	91 SIG- 1 TAU	04 36 17.709	+15 42 10.83		+0.0027	-0.071	5.13		5.280				A M		94051		
933	92 SIG- 2 TAU	04 36 24.685	+15 49 14.21		+0.0056	-0.016	4.70	2	4.84	2	4.98	2	A5V		94054		
934	93 -C- 2 TAU	04 37 16.174	+12 06 03.97		-0.0002	-0.007	5.38		5.270				B7IV		94063		
935	54 DM ERI	04 38 15.153	-19 45 58.40		+0.0011	-0.096	4.34	2	5.95	2	7.73	2	GM4		149818	nv	
936	ALP CAE	04 38 56.921	-41 57 29.93		-0.0135	-0.078	4.45	2	4.79	2	4.79	2	F2V		216926		
937	94 TAU	04 39 14.403	+22 51 46.00		-0.0001	-0.016	4.29	2	4.15	2	3.58	2	B3V		76721	D	
938	59 PER	04 39 21.107	+43 16 19.02		+0.0036	-0.049	5.21						A0		39699		
939	95 TAU	04 40 11.896	+23 59 45.23		+0.0013	-0.020	6.08						DF6		76727		
940	BET CAE	04 40 17.269	-37 14 27.52		+0.0032	+0.194	5.05	2	5.42	2			F8V		195239		
941	55 B ERI	04 41 10.619	-08 53 09.96		+0.0010	-0.017	6.00	2	6.63	2	6.96	2	F2IIIP		131442	D	
942	55 A ERI	04 41 11.099	-08 53 17.64		+0.0017	-0.024	6.67						G8III		131443	n	
943	RZ ERI	04 41 24.006	-10 46 29.31		+0.0011	-0.006	8.1	6					A5	6	149847	v	
944	LAM PIC	04 41 29.347	-50 34 28.41		-0.0045	+0.039	5.31	2	6.29	2			G68		233638		
945	56 ERI	04 41 41.033	-08 35 43.95		-0.0003	-0.002	5.91	2	5.80	2	4.99	2	B5		131451		
946	LAM CAE	04 42 05.458	-41 09 24.57		-0.0004	+0.012	6.25	2	7.71	2			K5		216961		
947	57 MU ERI	04 42 59.993	-03 20 41.33		+0.0007	-0.011	4.020	1	3.860	1	3.260	1	B5IV		131468		
948	MU MEN	04 43 33.295	-71 01 22.82		+0.0030	+0.034	5.54	2	5.42	2	4.96	2	B9IV		256122		
949	KAP DOR	04 43 35.688	-59 49 26.51		+0.0048	+0.041	5.35						A3		233664		
950	4 CAM	04 43 49.743	+56 40 15.10		+0.0066	-0.145	5.30						A M		24829	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S P	SAN CAT. NO.	STAR PROP.	G N
951	AW	PER	04 44 25.408	+36 38 04.58	+0.0014	-0.007	7.95	5	8.84	7			F6-G1	7	57431	V	
952	R	PIC	04 44 49.277	-49 20 07.11	+0.0045	+0.036	6.5	4					M2E	4	2169A7	V	
953	KS	PER	04 45 20.088	+43 11 18.97	+0.0059	-0.003	8.0	6					G0P	6	39773	V	
954	56	ERI	04 45 21.453	-17 01 28.54	+0.0088	+0.171	5.51	2	6.15	2			DG1	7	1498A8	V	
955	T	CAE	04 45 31.719	-36 17 50.61	+0.0037	+0.010	8.7	5					N4		195295	V	
956	ZET	CAE	04 45 52.463	-30 06 32.44	+0.0026	+0.095	6.37	2	7.44	2			K0		195300		
957	ST	CAM	04 46 01.262	+68 05 01.57	+0.0003	+0.011	6.9	4					NR	4	13245	V	
958	V 473	TAU	04 46 06.215	+29 29 07.09	-0.0001	-0.032	7.21	4	7.23	7			A0P	6	76771	V	
959	SV	PER	04 46 16.520	+42 12 13.93	+0.0005	+0.011	8.4	6							39743	V	
960	59	ERI	04 46 17.395	-16 25 00.42	-0.0002	+0.036	5.77	2	6.32	2			DF6		149901		
961	1	AUR	04 46 32.387	+37 24 07.10	-0.0031	+0.039	4.92						K4III		57447		
962	96	TAU	04 46 52.268	+15 49 07.01	+0.0003	-0.010	6.22	1					GK3		94151	D	
963	1 PI - 3	ORI	04 47 07.390	+06 52 32.26	+0.0311	+0.017	3.190	1	3.650	1	3.640	1	F6V	6	112106	V?	
964	RX	ERI	04 47 28.532	-15 49 35.28	-0.0035	-0.030	9.1	6					F2		149918	V	
965	2 PI - 2	ORI	04 47 53.047	+08 48 57.64	+0.0001	-0.030	4.35	2	4.36	2	4.39	2	A0V		112124		
966	60	ERI	04 47 56.261	-16 18 09.83	+0.0024	+0.054	5.16						K0III	6	149924	V?	
967	IT	TAU	04 48 22.995	+28 26 35.85	+0.0014	+0.003	10.2	7					N3		76788	V	
968	97 -I	TAU	04 48 26.754	+18 45 23.40	+0.0058	-0.035	5.11	2	5.32	2	5.44	2	DA5		94164	V	
969	3 PI - 4	ORI	04 48 32.421	+05 31 16.34	-0.0003	+0.001	3.680	1	3.520	1	2.710	1	B2III		112142	V?	
970	NU	CAE	04 48 38.539	-41 24 21.86	-0.0002	+0.066	6.07	2	6.44	2			DF0		217032		
971	9 ALP	CAM	04 49 03.825	+66 15 38.64	+0.0006	+0.008	4.29	2	4.32	2	3.44	2	09.5IA	4	13298		
972	V	TAU	04 49 08.402	+17 27 18.75	+0.0004	+0.006	8.5	4					M4E		94173	V	
973	2	AUR	04 49 16.855	+36 37 14.23	-0.0022	-0.007	4.77	2	6.18	2	7.76	2	K3III		57475		
974	4 OMI - 1	ORI	04 49 42.058	+14 10 08.31	-0.0001	-0.057	4.83		6.62	7			M3S		94176	V	
975	10T - 1	PIC	04 49 48.135	-53 32 45.52	-0.0107	+0.085	5.23	2	5.56	2			F0IV		233709	D	
976	10T - 2	PIC	04 49 49.289	-53 32 38.98	-0.0108	+0.083	6.44		6.780				F0		233710	D	
977	61 OME	ERI	04 50 26.131	-05 32 05.45	-0.0016	+0.022	4.40	2	4.63	2	4.81	2	A9IV		131568		
978	5	ORI	04 50 46.173	+02 25 37.57	+0.0020	-0.017	5.33	2	6.97	2	8.90	2	GM1		112179	V?	
979	5	CAM	04 50 57.347	+55 10 44.56	-0.0013	-0.006	5.51						A0	6	24904	D	
980	Z	CAE	04 51 01.268	-43 08 34.38	+0.0021	+0.058	7.5	6					MA		217051	V	
981	6 PI - 5	ORI	04 51 38.661	+02 21 37.24	-0.0003	+0.000	3.730	1	3.540	1	2.720	1	B2III		112197	V	
982	6 -G	ORI	04 52 00.305	+11 20 45.39	-0.0010	+0.021	5.12						A3		94197		
983	7 PI - 1	ORI	04 52 08.440	+10 04 22.53	-0.0030	-0.130	4.67	2	4.75	2	4.84	2	A0P	4	94201		
984	AB	AUR	04 52 34.347	+30 28 21.61	+0.0006	-0.026	7.46	4					A0		57506	V	
985	6	CAM	04 52 41.508	+55 44 46.54	-0.0005	-0.027	6.93	4					K5	4	24925		
986	UZ	OCT	04 52 47.738	-84 53 50.59	-0.0153	-0.034	8.6	6							258392	V	
987	SU	AUR	04 52 47.873	+30 29 19.60	+0.0012	-0.031	8.8	6							57509	V	
988	R	ERI	04 53 03.783	-16 29 50.18	+0.0000	+0.045	5.72	2	6.60	2			GG4		149988	V	
989	7	CAM	04 53 16.194	+53 38 28.10	-0.0026	+0.008	4.47	2	4.45	2	4.43	2	A1V		24929	D	
990	AM	AUR	04 53 22.936	+32 07 30.77	+0.0003	-0.002	9.3	6							57516	V	
991	9 OMI - 2	ORI	04 53 33.423	+13 26 13.64	-0.0051	-0.046	4.06	2	5.21	2	6.31	2	K2III		94218	D	
992	3 IOT	AUR	04 53 43.982	+33 05 19.94	+0.0003	-0.018	2.690	1	4.220	1	6.000	1	K3II		57522	V?	
993	62 -B	ERI	04 53 56.292	-05 14 56.71	-0.0009	-0.006	5.51	2	5.38	2	4.82	2	B9		131614		
994	99	TAU	04 54 46.435	+23 52 20.65	+0.0007	-0.006	5.83						GG8		76858	D	
995	98 -K	TAU	04 55 05.588	+24 58 30.10	+0.0022	-0.049	5.54		5.540				B9.5V?		76862	D	
996	8	CAM	04 55 46.879	+53 04 51.58	-0.0014	-0.008	6.26						GK3		24943		
997	4 OME	AUR	04 55 51.444	+37 48 59.98	+0.0035	-0.100	4.95	2	5.00	2	5.01	2	A0V		57548	D	
998	10 PI - 6	ORI	04 55 57.260	+01 38 20.04	-0.0004	-0.002	4.49	2	5.89	2	7.45	2	K2II		112281	V?	
999	RV	PIC	04 56 18.720	-52 13 18.80	-0.0005	-0.002	9.0	7					B9		233758	V	
1000	ETA	MEN	04 56 36.505	-75 00 52.73	+0.0072	+0.058	5.47	2	6.99	2	8.81	2	K6III		256145		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	G N
1001	5	AUR	04 56 51.770	+39 19 15.84	-0.0014	+0.004	5.90						DF3		57559	0	
1002	101	TAU	04 56 51.980	+15 50 35.68	+0.0061	-0.022	6.70	4					F5	4	94248		
1003	6	AUR	04 56 56.139	+39 34 52.49	+0.0002	+0.007	6.56						GK5		57560		
1004	R	LEP	04 57 19.727	-14 52 47.48	+0.0010	+0.020	6.0						C7-4E		150058	V	
1005	63	ERI	04 57 28.359	-10 20 06.42	+0.0014	-0.135	5.69						DG4		150060		
1006	64	ERI	04 57 36.240	-12 36 35.31	+0.0026	-0.091	4.78	2	5.04	2	5.21	2	F0IV	6	150064	V	
1007	RX	AUR	04 57 55.452	+39 53 17.19	+0.0006	+0.009	7.8	6	8.580	7			G5		57573	V	
1008	7	EPS	04 58 22.530	+43 45 05.35	+0.0001	-0.004	2.990	1	3.530	1	3.860	1	A8IA		39955	DV	
1009	10	BET	04 58 57.617	+60 22 18.61	-0.0005	-0.014	4.030	1	4.960	1	5.590	1	G0IB		13351	D	
1010	8	ZET	04 58 58.680	+41 00 17.78	+0.0008	-0.022	3.750	1	4.970	1	5.350	1	K5II+B		39966	V	
1011	65	PSI	04 59 00.759	-07 14 44.98	-0.0002	+0.008	4.81	2	4.62	2	3.87	2	B2V		131700		
1012	EL	AUR	04 59 30.604	+50 33 44.59	+0.0005	-0.005	8.6	6					N3	6	24981	V	
1013	102	IOT	05 00 06.223	+21 31 13.23	+0.0047	-0.041	4.64	2	4.80	2	4.94	2	A7V		76920		
1014	1	LEP	05 00 38.218	-22 51 55.02	+0.0039	+0.023	5.75	2	6.95	2			GK1		170010		
1015	RT	TAU	05 01 11.926	+23 34 43.11	-0.0002	+0.000	10.3	7					A0	6	76934	V	
1016	ETA- 1	PIC	05 01 30.064	-49 13 16.97	-0.0051	+0.026	5.39	2	5.81	2			DF4	6	217140	D	
1017	BF	AUR	05 01 33.022	+41 13 13.62	+0.0036	-0.025	8.6	6					A0		40003	V	
1018	11	ORI	05 01 42.545	+15 20 10.18	+0.0011	-0.035	4.68	2	4.63	2	4.53	2	A0SI		94290		
1019	11	CAM	05 01 47.147	+58 54 18.40	-0.0004	-0.006	5.22		5.140				B2V2PE		25001		
1020	12	CAM	05 01 50.604	+58 57 15.46	+0.0002	-0.029	6.23						G65		25003		
1021	GAM- 1	CAE	05 02 36.381	-35 33 01.69	+0.0100	-0.050	4.550	1	5.750	1	6.940	1	GK3		195532	0	
1022	GAM- 2	CAE	05 02 38.893	-35 46 25.16	+0.0017	+0.039	6.34	2	6.64	2			F0	4	195534	V	
1023	T	LEP	05 02 43.172	-21 58 18.75	-0.0005	-0.035	7.5	4					M7E		170041	V	
1024	9	AUR	05 02 45.294	+51 32 01.11	-0.0030	-0.172	5.00	2	5.34	2	5.33	2	F0V		25019	D	
1025	W	ORI	05 02 48.658	+01 06 37.21	+0.0005	-0.006	6.17	2	9.61	2			C5-3	7	112406	V	
1026	HZ	AUR	05 02 50.998	+33 51 08.33	+0.0001	-0.003	6.94	5	6.880	7			B9P		76731	V?	
1027	10	ETA	05 03 00.214	+41 10 08.38	+0.0026	-0.067	3.180	1	3.000	1	2.330	1	B3V		40026	V?	
1028	2	EPS	05 03 20.563	-22 26 12.86	+0.0013	-0.071	3.190	1	4.650	1	6.420	1	K5III		170051		
1029	BET	MEN	05 03 21.302	-71 22 58.14	+0.0007	+0.025	5.31	2	6.31	2	7.08	2	K0		256154		
1030	ETA- 2	PIC	05 03 40.155	-49 38 41.40	+0.0064	-0.001	5.01	2	6.47	2			M2III		217164	V?	
1031	66	ERI	05 04 17.220	-04 43 13.98	+0.0007	+0.009	5.14	2	5.08	2	4.90	2	B9		131777	DV?	
1032	XI	MEN	05 04 29.049	-82 32 26.44	-0.0076	+0.008	5.85	2	6.78	2	7.42	2	G8III		258395		
1033	104	TAU	05 04 29.507	+18 34 46.97	+0.0378	+0.019	4.96						G4V		94332	D	
1034	ZET	DOR	05 04 39.031	-57 32 25.76	-0.0043	+0.116	4.72	2	5.24	2	5.20	2	F8V		233822		
1035	106	TAU	05 04 50.680	+20 21 15.03	-0.0034	-0.034	5.17						A3		76971		
1036	13	ORI	05 04 53.779	+09 24 44.95	-0.0002	-0.377	6.17	2	6.79	2	6.88	2	DG2		112436		
1037	105	TAU	05 04 55.903	+21 38 25.58	+0.0004	-0.006	5.83		6.040				B2VP		76972		
1038	103	TAU	05 05 03.623	+24 12 03.46	+0.0001	-0.003	5.41						B2V		76974	D	
1039	14	ORI	05 05 09.412	+08 26 05.62	+0.0015	-0.063	5.34	2	5.66	2	5.77	2	A M		112440	D	
1040	67	BET	05 05 23.365	-05 08 58.54	-0.0067	-0.080	2.790	1	2.920	1	3.020	1	A3III		131794	V?	
1041	UX	CAM	05 05 25.999	+68 36 28.97	+0.0008	+0.014	8.5	6					MA	6	13391	V	
1042	107	TAU	05 05 53.202	+19 47 48.08	+0.0004	-0.013	6.55	4					G5	4	94345		
1043	TT	AUR	05 06 14.780	+39 31 25.18	-0.0000	-0.002	8.5	6					B5	6	57690	V	
1044	68	ERI	05 06 14.847	-04 31 10.68	+0.0026	+0.018	5.12	2	5.56	2	5.51	2	F5V		131813		
1045	16	ORI	05 06 34.444	+09 46 01.19	+0.0042	-0.005	5.43	2	5.67	2	5.82	2	A M		112467		
1046	LAM	ERI	05 06 45.092	-08 49 00.32	-0.0003	-0.004	4.27	2	4.07	2	3.17	2	B2IV		131824	V?	
1047	Y	LEP	05 06 46.742	-24 29 16.23	+0.0022	-0.005	9.1	6					M	6	170116	V	
1048	BK	AUR	05 06 49.761	+49 37 32.78	-0.0010	-0.012	9.0	6	9.860	7					40075	V	
1049	15	ORI	05 06 50.084	+15 32 06.42	+0.0001	-0.013	4.82	2	5.14	2	5.32	2	F2IV		94359		
1050	WZ	DOR	05 07 10.359	-63 27 44.65	+0.0030	-0.040	5.24		6.86	7	8.70	7	B2.5	7	249198	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	S N
1051	SY	ERI	05 07 20.877	-05 34 37.58	-0.0002	+0.015	8.7	6					NB	6	131832	V	
1052	SX	AUR	05 08 10.225	+42 06 18.86	+0.0013	+0.012	8.1	6					A3	6	40094	V	
1053	ER	ORI	05 08 50.595	-08 36 59.85	+0.0002	-0.014	9.2	6	9.74	7			F8	6	131854	V	
1054	14	CAM	05 08 51.500	+62 37 56.75	-0.0048	+0.008	6.36						A2		13413		
1055	RX	LEP	05 09 02.727	-11 54 35.85	+0.0014	+0.055	5.68		7.120				GM6		150206	V	
1056	SY	AUR	05 09 05.020	+42 46 20.96	+0.0000	-0.013	8.6	6	9.520	7					40115	V	
1057	RR	LEP	05 09 52.102	-13 15 29.70	+0.0000	-0.012	9.2	6					A0	6	150220	V	
1058	3 IOT	LEP	05 09 57.809	-11 55 39.95	+0.0014	-0.016	4.44	2	4.35	2	3.95	2	BAV		150223	D	
1059	11 MU	AUR	05 10 00.157	+38 25 38.27	-0.0016	-0.076	4.88	2	5.06	2	5.16	2	A M		57755		
1060	17 RHO	ORI	05 10 40.482	+02 48 11.68	-0.0002	-0.005	4.45	2	5.64	2	6.78	2	K3III		112528	DV?	
1061	5 MU	LEP	05 10 41.013	-16 15 47.97	+0.0023	-0.027	3.290	1	3.180	1	2.780	1	A P		150237		
1062	4 KAP	LEP	05 10 55.232	-12 59 57.16	-0.0014	-0.010	4.36	2	4.26	2	3.92	2	B8V		150239	n	
1063	UZ	AUR	05 11 41.044	+40 04 35.15	-0.0013	+0.021	8.3	6					MA	6	40163	V	
1064	IM	AUR	05 11 47.293	+46 21 00.52	-0.0033	+0.005	7.7	5					B9	7	40167	V	
1065	UX	AUR	05 12 07.350	+49 29 27.77	-0.0010	-0.012	8.2	6					MB	6	40175	V	
1066	19 BET	ORI	05 12 07.990	-08 15 28.65	-0.0002	-0.002	0.130	1	0.100	1	-0.550	1	B8IA		131907	DV?	
1067	14 KW	AUR	05 12 08.792	+32 37 54.25	-0.0019	+0.014	5.06		5.260				A9V		57799	DV	
1068	106	TAU	05 12 27.169	+22 13 45.68	-0.0005	-0.011	6.13		6.210				A2IV		77057		
1069	12	AUR	05 12 44.635	+46 21 40.99	-0.0001	+0.005	6.94	4					B5	4	40183		
1070	13 ALP	AUR	05 12 59.466	+45 56 58.03	+0.0077	-0.423	0.080	1	0.880	1	1.330	1	G8III?+F		40186	DV?	
1071	AE	AUR	05 12 59.811	+34 15 24.59	+0.0007	+0.030	5.3						09.5V		57816	nV	
1072	R	AUR	05 13 15.256	+53 31 56.59	+0.0020	-0.020	6.5						GM7E		25112	nV	
1073	18	ORI	05 13 17.327	+11 17 12.31	-0.0003	-0.009	5.46		5.440				A0III		94426		
1074	THE	DOR	05 13 47.396	-67 14 29.96	+0.0025	+0.034	4.82	2	6.11	2			K2III		249225		
1075	CD	TAU	05 14 33.494	+20 04 47.81	-0.0006	-0.104	6.84	4					F5	4	77084	DV	
1076	16	AUR	05 14 53.588	+33 19 17.00	+0.0037	-0.160	4.54	2	5.81	2	7.08	2	K3III		57853	D	
1077	EO	AUR	05 14 58.568	+36 34 46.84	-0.0011	-0.024	7.44	4					B5	4	57857	V	
1078	17 AR	AUR	05 15 01.247	+33 42 55.12	+0.0010	-0.030	5.8		5.740				B9		57858	V	
1079	15	CAM	05 15 08.638	+58 03 57.70	+0.0008	-0.020	6.09						B3IV		25125		
1080	20 TAU	ORI	05 15 10.601	-06 53 49.05	-0.0014	-0.008	3.590	1	3.470	1	3.010	1	B5III		131952	n	
1081	15 LAM	AUR	05 15 37.211	+40 03 24.51	+0.0456	-0.661	4.71	2	5.33	2	5.46	2	G0V		40233	D	
1082	OMI	COL	05 15 40.780	-34 56 35.08	+0.0068	-0.339	4.83	2	5.83	2	6.62	2	K0IV		195721		
1083	IQ	AUR	05 15 42.409	+33 41 50.28	+0.0009	-0.025	5.38		5.180	7			A0P	4	57884	V	
1084	18	AUR	05 16 05.549	+33 56 04.94	+0.0008	-0.010	6.48						A5		57893	D	
1085	109 -N	TAU	05 16 16.174	+22 02 47.81	+0.0008	-0.081	5.00						G8III		77097		
1086	21	ORI	05 16 34.609	+02 32 44.20	-0.0014	-0.046	5.34	2	5.75	2	5.83	2	F5II		112624	V?	
1087	19	AUR	05 16 42.951	+33 54 27.90	-0.0002	-0.010	5.03	2	5.30	2	5.74	2	A5III		57906	V?	
1088	SU	PIC	05 16 47.828	-45 37 52.54	-0.0005	-0.005	9.7	6							217277	V	
1089	MZ	AUR	05 17 10.476	+36 34 57.40	-0.0002	+0.004	7.8	6					B2	6	57915	V	
1090	6 LAM	LEP	05 17 16.190	-13 13 37.19	-0.0007	-0.003	4.29	2	4.04	2	3.03	2	B0.5IV		150340		
1091	T	COL	05 17 27.487	-33 45 30.00	+0.0040	+0.034	6.8	4					M5E	4	195748	V	
1092	7 NU	LEP	05 17 39.718	-12 21 55.61	-0.0009	+0.008	5.29						B7?V?NN		150345		
1093	ZET	PIC	05 18 08.388	-50 39 32.36	+0.0017	+0.228	5.45	2	5.96	2			F8III		233926		
1094	20 RHO	AUR	05 18 15.828	+41 45 24.75	+0.0015	-0.032	5.09		4.910				B5V		40269		
1095	UV	AUR	05 18 33.313	+32 27 51.36	+0.0012	+0.047	9.3	6					PEC	6	57941	V	
1096	16	CAM	05 19 10.611	+57 29 54.11	-0.0036	-0.055	5.14						A0		25161		
1097	22 -O	ORI	05 19 12.471	-00 25 49.03	-0.0003	-0.001	4.74	2	4.58	2	3.79	2	B2IV		132028		
1098	23 -M	ORI	05 20 12.177	+03 29 52.42	-0.0005	-0.001	5.00	2	4.85	2	3.98	2	B1V		112697	D	
1099	22	AUR	05 20 12.706	+28 53 27.71	+0.0015	-0.029	6.38		6.370				B9V		77139		
1100	110	TAU	05 20 44.314	+16 39 13.89	-0.0020	-0.018	6.02		6.160				A2V		94514		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1101	8	LEP	05 21 12.779	-13 58 22.07	-0.0003	+0.003	5.25	2	5.04	2			B2IV		150396		
1102	21 SIG	AUR	05 21 15.060	+37 20 26.65	+0.0001	-0.008	5.02						K4III		57981	D	
1103	KAP	PIC	05 21 26.776	-56 10 50.75	+0.0001	+0.027	6.11	2	6.01	2			B9		233952		
1104	111	TAU	05 21 30.232	+17 20 19.58	+0.0172	-0.008	4.98		5.520				F8V		94526		
1105	29 -E	ORI	05 21 32.197	-07 51 09.07	-0.0014	-0.044	4.12	2	5.08	2	5.78	2	G8III	7	132067	V	
1106	SW	COL	05 21 44.874	-39 43 25.77	+0.0011	+0.003	5.71	2	7.33	2			M1III		195807		
1107	27 -P	ORI	05 21 56.259	-00 56 16.14	-0.0007	+0.133	5.09	2	6.05	2	6.73	2	K0III		132070		
1108	28 ETA	ORI	05 21 57.676	-02 26 29.58	-0.0002	+0.001	3.350	1	3.180	1	2.250	1	B0.5V		132071	DV	
1109	EX	ORI	05 22 02.194	-06 11 28.89	-0.0010	-0.018	9.1	6					M8	6	132074	V	
1110	25	ORI	05 22 08.980	+01 48 07.84	-0.0003	-0.000	4.96	2	4.76	2	3.83	2	B1V?PE		112734	V?	
1111	24 GAM	ORI	05 22 26.828	+06 18 21.71	-0.0008	-0.014	1.640	1	1.420	1	0.540	1	B2III		112740	V?	
1112	112 BET	TAU	05 23 07.710	+28 34 01.74	+0.0019	-0.175	1.650	1	1.520	1	1.030	1	B7III		77168		
1113	113	TAU	05 23 12.185	+16 39 26.94	-0.0006	-0.004	6.16						B3N		94543		
1114	THE- 1	PIC	05 23 34.089	-52 21 21.56	-0.0014	-0.017	6.8	4					A0	4	233964	D	
1115	THE- 2	PIC	05 23 38.040	-52 21 33.19	-0.0018	-0.029	6.32						A0		233965	D	
1116	30 PSI	ORI	05 24 12.930	+03 03 14.31	-0.0001	-0.003	4.59	2	4.39	2	3.45	2	B2IV		112775	DV	
1117	115	TAU	05 24 14.934	+17 55 15.48	+0.0004	-0.024	5.30						B5V		94554	D	
1118	AS	CAM	05 24 16.486	+69 27 23.03	+0.0001	+0.027	8.2	5					A0	7	13507	V	
1119	24 PHI	AUR	05 24 19.833	+34 26 06.82	-0.0002	-0.047	5.12						K3P		58051		
1120	IU	AUR	05 24 32.813	+34 44 30.99	+0.0007	-0.011	8.2	5	8.430	7			B2	7	58059	V	
1121	114 -O	TAU	05 24 37.750	+21 53 45.83	+0.0002	-0.007	4.89	2	4.75	2	3.98	2	B3V		77184		
1122	116	TAU	05 24 53.103	+15 50 01.13	+0.0004	-0.022	5.47		5.480				B9V		94566		
1123	117	TAU	05 25 07.345	+17 11 57.17	+0.0014	-0.050	6.86						GM1		94573		
1124	17	CAM	05 25 26.423	+63 01 42.13	-0.0005	-0.002	5.53						GM1		13518		
1125	FO	ORI	05 25 31.718	+03 34 58.37	-0.0003	-0.011	8.8	6					A3	6	112796	V	
1126	LAM	DOR	05 25 35.249	-58 57 15.52	-0.0017	+0.027	5.14	2	6.14	2			G5		233981		
1127	9 BET	LEP	05 26 06.090	-20 47 52.90	-0.0006	-0.091	2.840	1	3.660	1	4.130	1	G5III		170457	D	
1128	118	TAU	05 26 11.488	+25 06 37.82	-0.0003	-0.031	6.6		6.560				B9V		77200	D	153
1129	118	TAU	05 26 11.709	+25 06 42.67	+0.0008	-0.031	5.9		5.860				B9V		77201	D	152
1130	LY	AUR	05 26 21.945	+35 20 10.87	-0.0002	-0.004	6.71	4	6.90	7	6.12	7	09.5+09.5	7	58105	DV	
1131	S	ORI	05 26 32.676	-04 43 51.68	+0.0029	+0.005	7.5	4					M7E	4	132163	V	
1132	31 CI	ORI	05 27 11.524	-01 07 48.08	+0.0000	-0.022	4.71	2	6.28	2	8.13	2	K4III		132176	DV	
1133	CK	ORI	05 27 41.223	+04 10 02.12	-0.0001	-0.047	6.21	2	7.48	2	8.86	2	K2III		112837	V	
1134	32 A	ORI	05 28 06.426	+05 54 41.72	+0.0006	-0.033	4.20	2	4.07	2	3.51	2	B5IV		112849	D	
1135	UV	TAU	05 28 10.412	+18 31 26.46	-0.0006	-0.028	8.4	6					M8	6	94604	V	
1136	18	CAM	05 28 16.560	+57 11 18.31	+0.0145	-0.219	6.40						DF7		25241		
1137	33 -N- 1	ORI	05 28 36.990	+03 15 20.92	-0.0002	+0.004	5.46	2	5.29	2	4.47	2	B1.5V		112861	D	
1138	V 451	ORI	05 28 40.129	+10 59 12.26	-0.0011	+0.004	8.9	6					B9	6	94612	V	
1139	EY	ORI	05 28 51.305	-05 44 23.55	-0.0005	+0.012	9.0	6					F8	6	132209	V	
1140	10	LEP	05 28 59.116	-20 53 57.85	-0.0000	-0.045	5.55	2	5.55	2			A0		170506		
1141	119 CE	TAU	05 29 16.760	+18 33 31.99	+0.0002	-0.002	4.35	2	6.41	2	8.62	2	M2IR		94628	V	
1142	EPS	COL	05 29 26.164	-35 30 22.02	+0.0020	-0.036	3.870	1	5.010	1	6.070	1	GK1		195924		
1143	34 DEL- 1	ORI	05 29 27.017	-00 20 04.41	-0.0002	-0.001	2.240	1	2.020	1	0.960	1	09.5II		132220	DV	
1144	34 DEL- 2	ORI	05 29 27.041	-00 19 11.87	+0.0003	-0.003	6.87						B2V		132221	D	
1145	25 CHI	AUR	05 29 28.244	+32 09 25.48	+0.0000	-0.002	4.77	2	5.12	2	4.68	2	B5IAB		58164		
1146	36 UPS	ORI	05 29 30.607	-07 20 12.87	-0.0005	-0.006	4.62	2	4.36	2	3.29	2	B0V		132222		
1147	11 ALP	LEP	05 30 31.394	-17 51 24.18	-0.0004	+0.001	2.570	1	2.770	1	3.020	1	F0IB		150547	D	
1148	120	TAU	05 30 35.670	+18 30 22.95	-0.0001	-0.001	5.54						B P		94649		
1149	VV	ORI	05 30 59.051	-01 11 22.96	-0.0006	+0.001	5.34	2	5.16	2	4.25	2	B1V		132255	V	
1150	35	ORI	05 31 03.632	+14 16 20.54	-0.0006	-0.004	5.54						B3		94652		

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1151	38 -N- 2 ORI	05 31 38.755	+03 44 03.46		-0.0023	-0.018	5.36	2	5.41	2	5.48	2	A2		112904		
1152	37 PHI- 1 ORI	05 32 04.419	+09 27 26.67		+0.0000	-0.003	4.41	2	4.26	2	3.29	2	B0IV		112914		
1153	V 372 ORI	05 32 19.696	-05 36 10.68		-0.0010	-0.041	8.3	6					B9	6	132288	V	
1154	39 LAM ORI	05 32 22.913	+09 54 08.35	N	-0.0001	-0.005	3.390	1	3.200	1	2.170	1	B8+0E5		112921	D	118
1155	121 TAU	05 32 23.739	+24 00 29.85		+0.0005	-0.014	5.16						B3V		77285		
1156	19 CAM	05 32 24.370	+64 07 30.38		+0.0009	-0.068	6.00		6.010				B9		13550	D	
1157	KX ORI	05 32 36.547	-04 45 48.56		+0.0003	-0.000	8.0	5					B3V	7	132302	V	
1158	LP ORI	05 32 42.470	-05 29 47.09		+0.0007	+0.003	9.0	6					B	6	132308	V	
1159	G DOR	05 32 43.081	-64 15 37.61		+0.0059	-0.011	5.34	2	6.38	2	7.23	2	GG7		249309		
1160	41 THE- 1 ORI	05 32 48.995	-05 25 16.22	N	-0.0001	+0.002	4.70		5.38		3.84	2	O6P+B17+B3		132314	DV?	117
1161	CQ TAU	05 32 54.139	+24 43 03.68		+0.0005	-0.028	8.6	6					F5	6	77299	V	
1162	42 -C ORI	05 32 55.055	-04 52 10.72	L	-0.0001	-0.000	4.59	2	4.40	2	3.46	2	B2III		132320	DV?	
1163	43 THE- 2 ORI	05 32 55.449	-05 26 50.72		-0.0003	+0.005	5.08	2	4.97	2	4.03	2	O9.5VP		132321	DV?	
1164	44 IOT ORI	05 32 59.126	-05 56 28.26		-0.0003	+0.001	2.770	1	2.530	1	1.450	1	O9III		132323	DV?	
1165	NU ORI	05 33 03.747	-05 17 54.89		+0.0003	-0.005	9.0	6					B1V	7	132328	V	
1166	V 361 ORI	05 33 03.963	-05 27 07.79		-0.0009	+0.030	9.0	6					B8	6	132329	V	
1167	V 359 ORI	05 33 05.248	-04 52 07.25		+0.0006	-0.007	7.23	5					B3VP	7	132331	V	
1168	BET DOR	05 33 11.331	-62 31 20.19		+0.0002	+0.007	3.450	1	4.100	1	4.520	1	F8IA		249311	V	
1169	45 ORI	05 33 11.418	-04 53 13.59		+0.0002	+0.011	5.27	2	5.50	2	5.67	2	GF0		132336	DV?	
1170	46 EPS ORI	05 33 40.476	-01 13 56.30		-0.0002	-0.002	1.690	1	1.510	1	0.480	1	B0IA		132346		
1171	BN ORI	05 33 47.759	+06 48 12.32		+0.0008	-0.027	9.8	6					A7	6	112952	V	
1172	RV COL	05 33 50.021	-30 51 26.16		+0.0001	-0.009	9.3	7					G5	6	195906	V	
1173	GAM MEN	05 33 51.219	-76 22 40.30		+0.0318	+0.285	5.19	2	6.32	2	7.50	2	K4III		256201	D	
1174	40 PHI- 2 ORI	05 34 09.415	+09 15 54.81		+0.0061	-0.304	4.09	2	5.04	2	5.70	2	G8IIIP		112958		
1175	122 TAU	05 34 09.520	+17 00 40.36		+0.0032	-0.032	5.54	2	5.76	2	5.86	2	A5		94700		
1176	V 586 ORI	05 34 32.684	-06 11 01.55		+0.0005	+0.012	9.1	6					A0	6	132366	V	
1177	ET TAU	05 34 32.930	+27 14 33.44		+0.0029	+0.039	8.8	6					B8	6	77330	V	
1178	123 ZET TAU	05 34 39.263	+21 06 50.00		+0.0001	-0.022	3.030	1	2.840	1	2.220	1	B2IVP		77336	V	
1179	22 CAM	05 34 51.781	+56 20 02.55		+0.0019	-0.133	6.89	4					F5	4	25298		
1180	NU - 1 COL	05 35 17.910	-27 53 57.55		+0.0007	-0.061	5.95						A5		170601		
1181	26 AUR	05 35 25.293	+30 27 52.83		-0.0014	-0.009	5.43		5.840				G5III?+A3		58280	DV?	
1182	S CAM	05 35 37.477	+68 46 18.94		-0.0015	-0.036	7.8	4					R8	4	13563	V	
1183	NU - 2 COL	05 35 47.423	-28 43 06.11		-0.0030	+0.051	5.31	2	5.77	2	5.87	2	DF4		170613		
1184	21 CAM	05 35 50.675	+61 55 21.17		+0.0000	+0.016	6.65	4					A5	4	13564		
1185	48 SIG- 1 ORI	05 36 14.048	-02 37 38.49		-0.0002	+0.001	3.800	1	3.560	1	2.550	1	O9.5V		132406	D	
1186	48 SIG- 2 ORI	05 36 14.881	-02 37 36.93	N	-0.0009	+0.001	6.62		6.420							D	119
1187	SIG- 3 ORI	05 36 16.398	-02 37 17.58		-0.0015	+0.012	6.53		6.320				B3		132408	D	
1188	HH AUR	05 36 17.907	+29 48 24.68		-0.0023	-0.012	8.3	6					G5	6	77356	V	
1189	49 -D ORI	05 36 27.836	-07 14 21.42		-0.0012	-0.054	4.81	2	4.94	2	5.05	2	A4IV		132411		
1190	47 OME ORI	05 36 32.611	+04 05 40.59		-0.0004	+0.001	4.59	2	4.48	2	3.73	2	B3IIIE		113001		
1191	125 TAU	05 36 38.170	+25 52 15.39		+0.0015	-0.022	5.04		4.870				B2V		77360		
1192	NO AUR	05 37 26.943	+31 53 43.27		+0.0008	+0.006	6.72	7	8.26	7			B2V	7	58322	V	
1193	ALP COL	05 37 50.211	-34 05 58.73		+0.0001	-0.027	2.640	1	2.520	1	2.050	1	B8VE		196059	DV?	
1194	50 ZET ORI	05 38 14.043	-01 58 02.98	N	-0.0001	-0.002	1.770	1	1.560	1	0.500	1	O9.5IB+B3		132444	DV?	116
1195	126 TAU	05 38 24.225	+16 30 35.29		+0.0006	-0.019	4.86	2	4.74	2	4.11	2	B3IV		94759	D	
1196	V 901 ORI	05 38 24.343	-01 31 54.91		-0.0009	+0.002	8.4	6					B5	6	132446	V	
1197	IOT MEN	05 38 39.383	-78 50 55.65		+0.0034	+0.018	6.05	2	6.03	2	5.70	2	B9		256214		
1198	24 CAM	05 38 46.979	+56 33 28.80		+0.0018	+0.031	6.02						GG9		25333		
1199	FX ORI	05 39 03.763	+14 48 37.78		-0.0006	-0.009	8.7	6					MD	6	94778	V	
1200	DY TAU	05 39 04.001	+18 31 02.00		+0.0008	-0.013	9.1	6					MC	6	94779	V	

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1201	23	CAM	05 39 32.397	+61 27 16.23	-0.0004	+0.002	6.30						GG5		13500		
1202	25	CAM	05 39 50.361	+54 50 35.34	-0.0001	-0.014	6.80	4					A0	4	25344		13
1203	TZ	MEN	05 39 50.784	-84 48 57.74	-0.0074	+0.047	6.20	2	6.18	2	6.07	2	A1V		258418	V	
1204	51 -B	ORI	05 39 53.374	+01 27 07.18	-0.0038	-0.014	4.90	2	6.07	2	7.13	2	K0III		113056		
1205	127	TAU	05 39 57.076	+18 57 29.26	-0.0003	-0.006	6.68	4					B9	4	94793		
1206	12	LEP	05 40 07.633	-22 23 47.88	-0.0007	+0.017	5.87	2	5.98	2			A2		170715		
1207	P1	MEN	05 41 07.562	-80 30 32.66	+0.1113	+1.064	5.65	2	6.25	2	6.36	2	G3IV		258421		
1208	W	PIC	05 41 50.156	-46 28 30.99	-0.0013	+0.008	7.6	4					N ?	4	217489	V	
1209	128	TAU	05 42 00.310	+16 03 58.34	+0.0004	-0.009	6.81	4					A0	4	94823		
1210	27 OMI	AUR	05 42 01.442	+49 48 24.60	-0.0010	+0.000	5.47	2	5.50	2	5.57	2	A P		40583		
1211	TU	TAU	05 42 09.717	+24 24 01.27	+0.0000	-0.006	11.1	7					N3	6	77502	V	
1212	ST	TAU	05 42 13.326	+13 33 23.84	-0.0009	-0.003	8.5	6	9.2	7			G0	6	94828	V	
1213	26	CAM	05 42 17.335	+56 05 51.10	+0.0025	-0.056	6.01						A2		25362		
1214	13 GAM	LEP	05 42 22.653	-22 27 48.30	-0.0212	-0.373	3.600	1	4.070	1	4.080	1	F6V		170759		
1215	26	CAM	05 42 38.602	+56 54 21.05	+0.0027	-0.023	6.79	4					A0	4	25364		
1216	Y	TAU	05 42 40.488	+20 40 33.18	-0.0000	-0.001	6.96	2	9.99	2			C7-4E		77516	V	
1217	EU	TAU	05 42 44.286	+18 38 15.60	+0.0001	-0.014	8.4	6					G5	6	94837	V	
1218	129	TAU	05 43 52.858	+15 48 16.86	+0.0003	-0.005	5.88		5.830				B7IIIP		94848		
1219	MU	COL	05 44 08.324	-32 19 27.47	+0.0003	-0.025	5.17	2	4.89	2			O9.5V		196149		
1220	131	TAU	05 44 22.187	+14 28 18.05	+0.0007	-0.040	5.61		5.650				A3V		94855		
1221	130	TAU	05 44 31.158	+17 42 43.75	-0.0003	-0.007	5.38	2	4.56	2	4.68	2	GF4		94858		
1222	DEL	DOR	05 44 40.928	-65 45 15.24	-0.0043	+0.007	4.35	2	3.65	2	3.71	2	A6IV		249346		
1223	14 ZET	LEP	05 44 41.296	-14 50 21.19	-0.0016	-0.003	3.55	2					A3V		150801		
1224	IY	AUR	05 44 51.110	+43 03 59.05	-0.0001	-0.009	8.9	6					B5?P	7	40615	V	
1225	133	TAU	05 44 52.698	+13 52 59.18	+0.0009	-0.014	5.15		4.970				B2V		94864		
1226	FU	AUR	05 44 55.013	+30 36 53.42	+0.0012	+0.000	8.5	6					NA	6	58449	V	
1227	52	ORI	05 45 18.945	+06 26 17.32	+0.0003	-0.019	5.27	2	5.50	2	5.67	2	A5N		113150	D	
1228	53 KAP	ORI	05 45 23.013	-09 41 09.45	-0.0002	-0.005	2.050	1	1.870	1	0.850	1	B0.5IE		132542	V?	
1229	28	AUR	05 45 23.027	+39 31 06.13	+0.0001	-0.020	6.90	4					G0	4	58460		
1230	29 TAU	AUR	05 45 42.481	+39 09 58.50	-0.0021	-0.023	4.53	2	5.47	2	6.16	2	G8III		58465	D	
1231	132	TAU	05 45 56.744	+24 33 09.24	+0.0000	-0.027	4.86						G8III		77592	V?	
1232	RY	LEP	05 46 00.821	-20 02 22.25	-0.0004	+0.040	8.23	5					F0	7	170854	V	
1233	BET	PIC	05 46 05.935	-51 05 01.75	+0.0005	+0.087	3.855	1	4.025	1	4.135	1	A3V		234134		
1234	29	CAM	05 46 17.945	+56 54 17.72	-0.0009	-0.008	6.37						A2N		25403	D	
1235	134	TAU	05 46 44.306	+12 38 13.65	-0.0014	-0.024	4.91	2	4.84	2	4.68	2	B9IV		94888		
1236	31 UPS	AUR	05 47 37.729	+37 17 35.85	+0.0034	-0.042	4.74	2	6.36	2	8.29	2	GM1		58496	V?	
1237	135	TAU	05 47 38.111	+14 17 34.37	+0.0004	-0.036	5.55						GG9		94904		
1238	30	CAM	05 47 52.685	+58 57 08.41	+0.0011	-0.022	6.02		5.980				B9		25419		
1239	32 NU	AUR	05 48 01.346	+39 08 09.47	-0.0004	+0.007	3.970	1	5.110	1	6.200	1	K0III		58502	D	
1240	LAM	MEN	05 48 49.302	-72 43 00.84	+0.0047	+0.020	6.53	2	7.61	2	8.58	2	K0		256239		
1241	GAM	PIC	05 48 55.024	-56 10 42.89	+0.0092	-0.074	4.51	2	5.61	2	6.59	2	K1III		234154		
1242	55	ORI	05 48 57.053	-07 31 48.00	-0.0002	-0.002	5.35	2	5.15	2	4.32	2	B2V		132591		
1243	15 DEL	LEP	05 49 10.193	-20 52 55.23	+0.0160	-0.650	3.850	1	4.830	1	5.540	1	G8III		170926		
1244	BET	COL	05 49 11.727	-35 47 09.73	+0.0041	+0.402	3.120	1	4.280	1	5.490	1	K2III		196240		
1245	137	TAU	05 49 31.762	+14 09 38.95	-0.0014	-0.006	5.54		5.500				A P		94945		
1246	56	ORI	05 49 50.570	+01 50 40.22	-0.0006	-0.007	4.78	2	6.16	2	7.62	2	K2II		113220	DV?	
1247	EPS	DOR	05 49 56.616	-66 54 49.44	-0.0026	+0.014	5.11	2	4.97	2	4.48	2	B5		249368	V?	
1248	V 593	TAU	05 49 59.183	+26 26 06.90	+0.0008	+0.001	8.2	6					B3	6	77668	V	
1249	136	TAU	05 50 10.984	+27 36 08.48	+0.0004	-0.014	4.59	2	4.57	2	4.60	2	A0III		77675	D	
1250	31 TU	CAM	05 50 28.948	+59 52 47.18	+0.0001	-0.019	5.2						A0		25447	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1251	30 XI	AUR	05 50 39.215	+55 41 52.55	-0.0014	+0.022	5.00	2	5.05	2	5.17	2	A2P?		25450		
1252	LAM	COL	05 51 17.867	-33 48 40.70	-0.0008	+0.033	4.870	1	4.720	1	4.160	1	B5V		196276		
1253	54 CHI- 1	ORI	05 51 25.196	+20 16 07.36	-0.0133	-0.086	4.41	2	5.00	2	5.08	2	G0V		77705		
1254	57	ORI	05 51 58.983	+19 44 30.10	-0.0001	-0.009	5.86						B2V		949A6		
1255	58 ALP	ORI	05 52 27.809	+07 23 57.92	+0.0017	+0.010	0.420	1	2.260	1	4.380	1	M2IAB		113271	DV	
1256	U	ORI	05 52 51.005	+20 10 06.19	+0.0001	-0.015	5.4						GM8E		77770	V	
1257	TW	AUR	05 53 25.063	+45 30 13.61	+0.0000	-0.035	8.4	6					MC	6	40721	V	
1258	KAP	MEN	05 53 38.860	-79 22 19.42	-0.0073	+0.066	5.47	2	5.39	2	5.15	2	B9		256248		
1259	XI	COL	05 53 46.567	-37 07 37.07	+0.0021	-0.026	4.97	2	6.08	2			GG8		196316		
1260	BQ	ORI	05 54 05.549	+22 50 02.01	-0.0014	-0.004	8.0	6					MSIIIE	7	77756	V	
1261	16 ETA	LEP	05 54 07.554	-14 10 31.67	-0.0034	+0.136	3.720	1	4.050	1	4.050	1	F0V		150957		
1262	SIG	COL	05 54 27.969	-31 23 17.23	-0.0001	+0.008	5.54						F0		196330		
1263	139	TAU	05 54 53.423	+25 56 58.59	+0.0001	-0.002	4.82	2	4.76	2	3.82	2	B1IR		77775		
1264	33 DEL	AUR	05 55 24.518	+54 17 00.14	+0.0095	-0.126	3.720	1	4.710	1	5.620	1	K0III		25502		
1265	GAM	COL	05 55 45.769	-35 17 15.18	-0.0003	+0.008	4.36	2	5.97	2	3.52	2	B3IV		196352	D	
1266	59	ORI	05 55 48.522	+01 50 01.15	+0.0001	-0.008	5.89	2	6.11	2	6.27	2	A5		113315	D	
1267	34 BET	AUR	05 55 51.579	+44 56 04.68	-0.0052	-0.001	1.900	1	1.930	1	1.970	1	A2V		40750	DV	
1268	35 PI	AUR	05 56 13.359	+45 56 04.47	+0.0001	-0.005	4.25	2	5.97	2	7.80	2	M3II		40756	V	
1269	60	ORI	05 56 15.234	+00 32 59.73	-0.0010	+0.001	5.22	2	5.23	2	5.24	2	A1		113321	D	
1270	37 THE	AUR	05 56 18.627	+37 12 40.05	+0.0041	-0.082	2.620	1	2.540	1	2.360	1	B9.5PV		58636	DV?	
1271	1 V 474	MON	05 56 38.300	-09 23 06.27	+0.0005	+0.010	6.11	2	6.40	2	6.50	2	F2II		132714	V	
1272	2	MON	05 56 41.802	-09 33 37.00	+0.0007	-0.054	5.04	2	5.23	2	5.39	2	A M		132715		
1273	CO	AUR	05 57 07.452	+35 18 38.60	-0.0005	-0.011	7.8	6					F5	6	58649	V	
1274	36	AUR	05 57 10.894	+47 54 03.90	+0.0007	-0.018	5.68						A0		40778		
1275	ETA	COL	05 57 36.885	-42 49 01.39	+0.0014	-0.016	3.960	1	5.100	1	6.180	1	K0III		217650		
1276	DN	ORI	05 57 42.557	+10 13 01.46	-0.0009	+0.010	8.6	6					A	6	95108	V	
1277	141	TAU	05 58 40.385	+22 24 04.85	-0.0007	-0.021	6.23		6.150				B8V		77858		154
1278	RT	PIC	05 59 14.021	-44 53 51.28	+0.0010	+0.019	9.0	6					G5	6	217667	V	
1279	V 352	ORI	05 59 15.874	-02 21 10.72	+0.0005	+0.001	8.0	6					MC	6	132754	V	
1280	3	MON	05 59 29.204	-10 35 49.89	-0.0009	-0.002	4.94	2	4.82	2	4.24	2	B5IV		151037	D	
1281	61 MU	ORI	05 59 37.869	+09 38 56.64	+0.0009	-0.028	4.13	2	4.29	2	4.40	2	A M		113389	DV?	
1282	38	AUR	05 59 41.618	+42 54 55.21	+0.0106	-0.144	6.10	2	7.07	2	7.85	2	K0III		40818		
1283	64	ORI	06 00 29.672	+19 41 35.74	-0.0000	-0.018	5.15		5.040				B8III		95166	V?	
1284	35	CAN	06 00 31.107	+51 34 37.36	+0.0003	-0.043	6.27						A5		25548	DV?	14
1285	CQ	AUR	06 00 39.255	+31 19 51.22	-0.0007	-0.010	9.0	6							58699	V	
1286	62 CHI- 2	ORI	06 00 56.956	+20 08 28.96	+0.0002	-0.007	4.63	2	4.91	2	4.24	2	B2IA		77911	V?	
1287	1	GEM	06 01 04.774	+23 16 04.51	-0.0004	-0.102	4.15	2	5.02	2	5.54	2	G65		77915	D	
1288	39	AUR	06 01 27.603	+42 59 15.57	-0.0034	-0.144	5.84						A8N		40840	V?	
1289	SW	PIC	06 01 31.649	-60 05 40.99	+0.0012	+0.004	6.50		8.08	7	9.89	7	M1		249424	V	
1290	V 530	ORI	06 02 03.617	-03 11 32.07	+0.0030	-0.084	9.0	6					G0	6	132800	V	
1291	63	ORI	06 02 18.143	+05 25 27.79	-0.0002	+0.003	5.67	2	6.71	2	7.53	2	G67		113429		
1292	66	ORI	06 02 19.755	+04 09 47.18	-0.0003	-0.006	5.63	2	6.67	2	7.41	2	G64		113430		
1293	SY	CAM	06 02 25.940	+80 04 56.18	+0.0025	-0.026	9.5	6							958	V	
1294	17	LEP	06 02 45.162	-16 28 46.70	-0.0009	-0.003	4.93	2	5.17	2			A2P		151093	V?	
1295	40	AUR	06 03 08.209	+38 29 21.37	+0.0010	-0.051	5.27						A M		58749		
1296	AA	GEM	06 03 28.143	+26 20 06.85	-0.0015	-0.016	9.2	6	10.100	7			K0	6	77963	V	
1297	S	LEP	06 03 41.862	-24 11 22.98	+0.0014	-0.019	6.0						M6		171222	V	
1298	2	GEM	06 03 45.686	+23 38 42.05	-0.0002	-0.004	6.89	4					K0	4	77971		
1299	18 THE	LEP	06 03 53.461	-14 55 45.55	-0.0014	+0.016	4.67	2	4.72	2	4.72	2	A1V		151110		
1300	V 643	ORI	06 04 30.514	-02 54 33.56	-0.0023	-0.046	9.0	6					G2	6	132847	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1301	b7 NU	ORI	06 04 42.949	+14 46 34.32	+0.0004	-0.022	4.42	2	4.27	2	3.60	2	B3V		α5259		
1302	PI - 1	COL	06 05 08.216	-42 17 29.33	-0.0037	+0.003	6.25						A M		217720		
1303	V 916	ORI	06 05 27.757	+13 58 48.00	-0.0005	-0.002	8.7	6	8.69	7			B2V	7	α5271	V	
1304	14	LEP	06 05 31.044	-19 09 31.25	+0.0005	+0.053	5.31		6.970				GM2		151142		
1305	SS	GEM	06 05 33.530	+22 37 32.77	-0.0000	-0.001	9.3	7					G5	6	78024	V	
1306		CAM	06 05 34.345	+58 56 41.85	+0.0033	+0.023	5.32						G8III		25597		
1307	V 917	ORI	06 05 37.059	+13 56 22.11	-0.0006	+0.007	8.7	6	8.64	7			B3	6	95281	V	
1308	THE	COL	06 05 48.671	-37 14 41.28	-0.0003	+0.000	5.02	2	4.91	2			B9		196514		
1309	4	MON	06 06 04.791	-11 08 13.64	+0.0007	-0.007	6.77	4					A2	4	151154		9a
1310	ETA- 1	DOR	06 06 05.892	-66 01 57.36	+0.0030	+0.025	5.71	2	5.68	2	5.61	2	B9		249448		
1311	PI - 2	COL	06 06 19.651	-42 08 42.46	-0.0006	-0.014	5.48						A0		217730		
1312	3	GEM	06 06 41.773	+23 07 24.41	+0.0006	-0.002	5.76		5.96		5.32	2	B2.5IB		78050	D	
1313	4	GEM	06 07 27.856	+23 00 31.53	-0.0004	-0.005	6.68	4					B9	4	78063		
1314	41	B AUR	06 07 46.641	+48 43 32.18	+0.0013	-0.066	6.82						AN		40924	D	
1315	41	A AUR	06 07 46.771	+48 43 24.85	+0.0020	-0.050	6.09						A0		40925	D	
1316	TU	GEM	06 07 46.805	+26 01 34.74	+0.0006	-0.007	7.4	4					NA	4	78066	V	
1317	36	CAM	06 07 49.304	+65 43 53.19	+0.0015	-0.032	5.28						K2II-III		13756		
1318	5	GEM	06 08 28.241	+24 25 59.08	-0.0002	-0.055	5.90						GK0		78079		
1319	GO	ORI	06 08 28.523	+09 37 27.80	-0.0001	+0.008	8.6	6					B	6	113558	V	115
1320	TV	GEM	06 08 50.908	+21 52 51.61	+0.0002	+0.014	7.0						M1IAB		78092	V	
1321	WY	GEM	06 08 53.910	+23 13 10.94	+0.0005	-0.001	7.43						M2IABEP+B	7	78094	V	
1322	NU	DOR	06 09 03.543	-68 49 58.38	-0.0093	+0.019	5.06	2	4.98	2	4.77	2	B8V		249461		
1323	68	ORI	06 09 03.575	+19 48 12.67	+0.0002	-0.011	5.67		5.580				B9.5V		95359		
1324	70 XI	ORI	06 09 05.757	+14 13 18.49	+0.0002	-0.021	4.48	2	4.31	2	3.65	2	B3V		95362		
1325	69 -F- 1	ORI	06 09 10.227	+16 08 36.85	+0.0006	-0.015	4.92	2	4.80	2	4.21	2	B5V		α5365		
1326	6	BU	06 09 17.174	+22 55 17.93	+0.0002	-0.005	6.11						M1IA		78098	V	
1327	DEL	PIC	06 09 19.403	-54 57 24.59	-0.0009	+0.008	4.84						B0.5III	7	234359	V	
1328	FT	ORI	06 10 58.229	+21 26 33.72	+0.0001	+0.001	9.1	6					AN	6	78120	V	
1329	ETA- 2	DOR	06 11 08.481	-65 34 39.16	-0.0040	+0.113	5.01	2	6.62	2	8.47	2	GM3		249469	V?	
1330	40	CAM	06 11 11.137	+60 00 56.59	+0.0046	-0.020	5.45						GK3		13772		
1331	TX	CMA	06 11 18.490	-22 31 57.81	-0.0025	+0.025	9.2	6					B8	6	171416	V	
1332	ALP	MEN	06 11 43.975	-74 44 12.46	+0.0310	-0.211	5.09	2	5.81	2	6.14	2	G5V		256274		
1333	7 ETA	GEM	06 11 51.508	+22 31 23.36	-0.0048	-0.013	3.280	1	4.890	1	6.550	1	M3III		78135	DV	
1334	71	ORI	06 11 54.292	+19 10 30.51	-0.0068	-0.190	5.20	2	5.64	2	5.64	2	F6V		95432	D	
1335	44 KAP	AUR	06 12 11.481	+29 31 06.24	-0.0054	-0.265	4.35	2	5.36	2	6.17	2	G8III		78143	V?	
1336	LR	GEM	06 12 14.344	+22 19 04.05	+0.0002	-0.005	8.6	6	9.24	7			B0IV	7	78145	V	
1337	5 GAM	MON	06 12 24.938	-06 15 28.70	-0.0006	-0.019	3.960	1	5.270	1	6.690	1	K3III		133012	D	
1338	72 -F- 2	ORI	06 12 32.077	+16 09 37.16	+0.0002	-0.014	5.19		5.060				B7V		95447		
1339	73	ORI	06 12 56.385	+12 34 06.64	-0.0001	-0.000	5.34		5.310				B9II-III		95457		
1340	8	GEM	06 13 15.702	+23 59 16.91	-0.0010	-0.010	6.09	2	6.99	2	7.61	2	G5III		78168		
1341	1 UW	LYN	06 13 18.309	+61 32 03.51	-0.0003	-0.004	6.90						GM3		13787	V	
1342	74 -K	ORI	06 13 38.093	+12 17 16.13	+0.0055	+0.185	5.04	2	5.46	2	5.44	2	F5IV-V		95476	D	
1343	42	AUR	06 13 51.050	+46 26 34.93	-0.0041	+0.018	6.52	2	6.79	2	6.88	2	F6V		40999		
1344	9	GEM	06 13 55.636	+23 45 34.84	+0.0001	-0.002	6.25	2	6.70	2	6.31	2	B3IAB		78176		
1345	75 -L	ORI	06 14 21.142	+09 57 44.32	+0.0000	-0.063	5.39	2	5.49	2	5.58	2	A2		113675	D	
1346	43	AUR	06 14 33.152	+46 22 56.00	+0.0013	-0.127	6.39	2	7.50	2	8.62	2	K2III		41010		
1347	KAP	COL	06 14 46.278	-35 07 22.03	-0.0011	+0.084	4.37	2	5.37	2	6.20	2	G8III		196643		
1348	2	LYN	06 15 12.749	+59 01 54.24	-0.0007	+0.025	4.48	2	4.49	2	4.52	2	A2V		25665	V?	
1349	6	MON	06 15 14.028	-10 42 19.15	-0.0006	-0.009	6.67						F0		151318		
1350	LT	GEM	06 15 22.808	+23 35 30.88	+0.0003	-0.004	8.9	6	9.26	7			B1V	7	78198	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S M	SAO CAT. NO.	STAR PROP.	G N
1351	10	GEM	06 15 51.567	+23 37 27.97	-0.0001	-0.010	6.59	4					G5	4	78210		
1352	11 LU	GEM	06 16 16.633	+23 29 27.35	+0.0001	-0.007	7.33	4					B0	4	78222	V	
1353	V 963	ORI	06 16 18.096	+20 36 05.65	-0.0005	-0.001	8.5	6	9.11	7	8.82	7	B2IBP	7	78223	V	
1354	12	GEM	06 16 20.128	+23 17 46.15	+0.0000	-0.007	7.03	4					B9	4	78225		
1355	KS	MON	06 17 16.568	-05 15 46.52	-0.0013	-0.025	9.0	6					MA	6	133110	V	
1356	7	MON	06 17 18.205	-07 48 01.79	-0.0007	-0.002	5.26	2	5.07	2	4.32	2	B2V		133114		
1357	3	LYN	06 17 30.382	+61 47 08.84	+0.0003	-0.112	7.15	4					F0	4	13818		
1358	4	LYN	06 17 37.445	+59 23 46.56	+0.0001	+0.004	5.93	2					A2		25678	D	
1359	45	AUR	06 17 42.473	+53 28 38.36	+0.0033	-0.093	5.36	2	5.79	2	5.91	2	F5III		25681		
1360	1 ZET	CMA	06 18 23.546	-30 02 23.86	+0.0004	+0.003	3.020	1	2.840	1	2.120	1	B2.5V		196698		
1361	SV	MON	06 18 44.958	+06 29 40.68	-0.0012	-0.013	8.8	6	9.55	7			G5	6	113757	V	
1362	FR	CMA	06 19 04.808	-11 44 55.60	-0.0011	-0.007	5.46		5.45	7			B1VPE	6	151401	DV	
1363	RS	ORI	06 19 21.995	+14 42 12.05	-0.0015	-0.013	8.3	6	9.1	7			F0	6	95589	V	
1364	13 MU	GEM	06 19 56.096	+22 32 27.98	+0.0040	-0.112	2.870	1	4.510	1	6.370	1	M3III		78297	DV	
1365	PX	CAR	06 19 59.828	-54 31 28.63	-0.0034	+0.046	9.5	5					A2	7	234458	V	
1366	V	MON	06 20 12.434	-02 10 10.00	+0.0017	-0.067	6.0	4					M6E	4	133182	V	
1367	DEL	COL	06 20 17.078	-33 24 36.07	-0.0024	-0.056	3.850	1	4.730	1	5.250	1	GG4		196735		
1368	2 BET	CMA	06 20 29.789	-17 55 47.23	-0.0009	-0.004	1.970	1	1.730	1	0.770	1	B1III-III	7	151428	V	
1369	IM	MON	06 20 31.535	-03 15 01.97	-0.0001	+0.006	6.58	4					B5	4	133189	V	
1370	46 PSI- 1	AUR	06 21 02.880	+49 18 56.91	-0.0001	-0.001	4.95		6.920	7			M0IAB		41076	V	
1371	8 EPS- 1	MON	06 21 07.050	+04 37 11.68	-0.0013	+0.010	4.462	2	4.662	2	4.802	2	ASIV		113810	D	103
1372	8 EPS- 2	MON	06 21 07.436	+04 37 22.65	-0.0016	-0.011	6.520	2	6.720	2	6.860	2	DF4		113811	D	104
1373	NU	PIC	06 22 02.250	-56 20 32.97	-0.0043	-0.024	5.61	2	5.84	2			A M		234473		
1374	RR	LYN	06 22 12.691	+56 18 51.47	-0.0026	+0.020	5.64	2	5.88	2	6.00	2	A M		25731		
1375	5	LYN	06 22 27.087	+58 26 49.89	-0.0004	-0.009	5.33						K4III		25733	D	
1376	T	MON	06 22 31.027	+07 06 53.22	+0.0010	+0.004	5.60		6.800				F7IAB		113845	V	
1377	BL	ORI	06 22 36.929	+14 45 04.15	-0.0010	-0.004	6.23	2	8.57	2	12.07	2	C6-2		95659	V	
1378	14	GEM	06 22 42.632	+21 40 28.31	-0.0007	-0.015	6.65	4					G5	4	78355		
1379	ALP	CAR	06 22 50.493	-52 40 03.44	+0.0029	+0.022	-0.730	1	-0.580	1	-0.530	1	F0IR		234480		
1380	PI - 1	DOR	06 23 06.711	-69 57 24.43	+0.0043	+0.026	5.56	2	7.07	2	8.89	2	K5		249532		
1381	G	PUP	06 24 24.118	-48 08 46.84	-0.0011	-0.031	5.76	2	5.76	2	5.53	2	B9		217922	D	
1382	9	MON	06 24 32.193	-04 19 27.73	-0.0004	-0.007	6.88	4					B5	4	133267		
1383	77	ORI	06 24 39.651	+00 19 50.92	+0.0002	-0.009	5.20	2	6.38	2	7.51	2	K1II		113905		113
1384	78	ORI	06 24 42.142	-00 14 40.02	-0.0003	-0.009	5.55	2	6.93	2	8.54	2	GK5		133269		114
1385	15	GEM	06 24 47.704	+20 49 18.71	-0.0027	-0.049	6.55	4					K0	4	78395	D	
1386	16	GEM	06 24 58.201	+20 31 41.13	-0.0024	+0.005	6.06		6.070				A2V		78402		
1387	48 RT	AUR	06 25 21.251	+30 31 33.15	+0.0002	-0.014	5.4		5.820	7			G0		59128	V	
1388	10	MON	06 25 29.351	-04 43 47.03	-0.0007	-0.000	5.05	2	4.87	2	4.10	2	B2V		133290		
1389	PI - 2	DOR	06 25 54.363	-69 39 42.97	-0.0026	+0.199	5.38	2	6.35	2	7.02	2	GG5		249550		
1390	FS	CMA	06 25 59.093	-13 01 11.68	+0.0008	+0.016	7.46	4	7.49	7			B2IVE	7	151534	V	
1391	18 NU	GEM	06 25 59.627	+20 14 44.06	-0.0004	-0.017	4.14	2	4.00	2	3.51	2	B7IVE		78423	D	
1392	LAM	CMA	06 26 18.858	-32 32 50.81	-0.0019	+0.023	4.48	2	4.31	2	3.70	2	B5		196857		
1393	47	AUR	06 26 18.927	+46 43 10.66	-0.0004	+0.008	5.87						GK4		41130		
1394	11 BET- 1	MON	06 26 23.454	-06 59 58.06	-0.0015	-0.002	4.623	1	4.533	1	3.733	1	B3VE		133316	D	101
1395	11 BET- 2	MON	06 26 23.939	-07 00 03.34	-0.0015	+0.003	4.413	1	4.256	1	3.523	1	B3NE+B3E		133317	D	102
1396	6	LYN	06 26 26.741	+58 12 07.46	-0.0027	+0.336	5.88	2	6.82	2	7.48	2	K0IV		25771		
1397	BK	GEM	06 27 08.556	+13 38 59.34	-0.0001	-0.002	8.6	6					K5	6	95749	V	
1398	AX	MON	06 27 52.409	+05 54 08.03	+0.0007	-0.026	6.77	3	7.10	3	6.44	3	B3	4	113974	V	
1399	-2- 1	PUP	06 28 35.264	-50 12 10.96	-0.0061	-0.058	5.32						F2		234539	D	
1400	19	GEM	06 28 44.798	+15 56 24.67	-0.0011	-0.017	6.35						A5		95778		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1401	WW AUR	06 29 11.433	+32 29 32.77		-0.0020	-0.019	5.6						A M		59104	V	
1402	20 B GEM	06 29 22.716	+17 48 59.94		+0.0030	+0.033	7.78	4					F8	4	95794	n	
1403	20 A GEM	06 29 23.414	+17 49 17.07		+0.0025	+0.030	7.24	4					F8	4	95795	n	
1404	TU CMA	06 29 32.673	-24 07 37.14		-0.0005	+0.005	9.6	6					A3	6	1718A8	V	
1405	12 MON	06 29 39.948	+04 53 36.14		-0.0027	-0.007	5.83	2	6.83	2	7.61	2	K0III		114023	V?	
1406	4 XI - 1 CMA	06 29 46.283	-23 22 52.26		-0.0008	+0.010	4.33	2	4.09	2	3.11	2	B0.5IV		171805	DV	
1407	SX COL	06 29 50.933	-36 54 14.85		-0.0007	+0.054	6.31		7.94	7			M1		196906	V	
1408	13 MON	06 30 11.958	+07 22 16.36		-0.0002	-0.008	4.50	2	4.50	2	4.32	2	A0TB		114034		
1409	7 LYN	06 30 23.285	+55 23 32.05		+0.0004	+0.003	6.38						K0		25814		
1410	MON	06 30 25.105	-08 50 02.42		-0.0028	-0.008	8.6	6					K5	6	133392	V	
1411	SV CAM	06 30 36.662	+82 18 46.30		+0.0232	-0.155	9.2	4					G	4	1038	V	
1412	RX PIC	06 31 07.530	-63 29 53.47		+0.0016	+0.053	9.	7					A0	6	249576	V	
1413	MU PIC	06 31 13.640	-58 42 56.82		+0.0004	-0.011	5.78						B9		234564	n	
1414	22 GEM	06 31 42.208	+19 28 09.56		+0.0000	-0.010	6.88	4					A0	4	05852		
1415	9 LYN	06 31 49.240	+56 25 41.18		-0.0042	-0.054	6.53	4					F2	4	25829		
1416	TU AUR	06 31 55.715	+45 39 50.99		-0.0011	-0.002	8.5	5					MB	5	41103	V	
1417	49 AUR	06 32 03.125	+28 03 47.31		+0.0003	-0.018	5.09		5.060				B9.5V		78524		
1418	14 MON	06 32 03.838	+07 36 46.81		-0.0008	-0.005	6.45	2	6.43	2	6.40	2	A0		114085	n	
1419	W GEM	06 32 05.556	+15 22 16.39		+0.0006	+0.001	6.7	4	7.450	7			G5	4	95862	V	
1420	5 XI - 2 CMA	06 32 57.562	-22 55 26.07		+0.0003	+0.013	4.54	2	4.48	2	4.47	2	A0V		171982		
1421	UU AUR	06 33 06.637	+38 29 16.10		+0.0005	-0.028	5.29	2	7.89	2			C5-3		92900	V	
1422	8 LYN	06 33 07.503	+61 31 40.35		-0.0284	-0.278	5.91		6.810				G67		13897		
1423	23 GEM	06 33 08.384	+16 50 21.47		+0.0012	-0.029	6.69	4					F5	4	958A9		
1424	11 LYN	06 33 23.589	+56 54 01.58		+0.0001	+0.011	5.77						A0		25842		
1425	N CAR	06 33 52.402	-52 56 02.61		-0.0015	+0.011	5.80	2	5.80	2			B9III		2345A9		
1426	6 NU - 1 CMA	06 34 11.405	-18 37 02.99		-0.0012	+0.015	5.81						G8III		151694	n	
1427	7 NU - 2 CMA	06 34 30.105	-19 12 43.33		+0.0040	-0.077	3.920	1	4.970	1	5.960	1	K1IV		151702		
1428	24 GAM	06 34 49.396	+16 26 37.40		+0.0030	-0.044	1.920	1	1.920	1	1.970	1	A0IV		95912		
1429	51 AUR	06 35 11.702	+39 26 13.19		-0.0019	-0.111	5.54						GK5		95316		
1430	53 AUR	06 35 12.754	+29 01 44.55		-0.0015	-0.022	5.51		5.500				A P		78571		
1431	52 PSI- 3 AUR	06 35 20.296	+39 56 51.00		-0.0007	-0.014	5.26		5.190				B8III		59319		
1432	6 NU - 3 CMA	06 35 41.389	-18 11 34.09		-0.0011	-0.009	4.42	2	5.57	2	6.61	2	K1II-III		151730		
1433	50 PSI- 2 AUR	06 35 45.703	+42 32 06.13		+0.0006	-0.059	4.79	2	6.02	2	7.32	2	K3II-III		41239		
1434	41 CAM	06 35 54.294	+61 58 07.01		-0.0028	+0.021	6.55	4					A2	4	13917		
1435	NU PUP	06 36 13.796	-43 09 04.09		-0.0006	-0.005	3.170	1	3.060	1	2.650	1	B8III		218071		
1436	54 AUR	06 36 23.954	+28 18 33.02		-0.0004	-0.015	5.86		5.770				B6III		78593	n	
1437	-Y- 0 PUP	06 37 17.587	-48 10 28.82		+0.0002	+0.012	4.93	2	5.80	2	6.39	2	G66		218093	D	12A
1438	25 GEM	06 38 11.875	+28 14 40.66		+0.0007	-0.010	6.39	2					G5IB		78636		
1439	15 S MON	06 38 13.429	+09 56 37.02		+0.0001	-0.007	4.66	2	4.42	2	3.35	2	O7		114258	DV	
1440	SU LYN	06 38 45.743	+55 31 24.87		+0.0011	-0.004	8.3	6					M2	6	25893	V	
1441	VW GEM	06 38 54.561	+31 30 13.51		-0.0009	-0.026	8.1	6					C3-9	7	59383	V	
1442	55 PSI- 4 AUR	06 39 26.746	+44 34 29.10		-0.0041	-0.029	5.02	2	6.50	2	8.33	2	K5III		41288		
1443	26 GEM	06 39 29.620	+17 41 45.37		+0.0004	-0.089	5.10		5.160				A2V		96015		
1444	27 EPS	06 40 51.363	+25 10 56.92		-0.0003	-0.015	2.980	1	4.380	1	5.840	1	G8IB		78682	DV?	
1445	30 GEM	06 41 10.098	+13 16 48.38		-0.0002	-0.060	4.49	2	5.65	2	6.82	2	K1III		96051	D	
1446	28 GEM	06 41 35.355	+29 01 24.11		-0.0006	-0.027	5.48						GK4		78692	V?	
1447	12 LYN	06 41 49.358	+59 29 41.90		-0.0028	-0.003	4.87	2	4.95	2	5.02	2	A2N		25939	D	
1448	AW CAM	06 41 58.237	+69 40 59.69		-0.0043	+0.022	8.0	6					A0	7	13951	V	
1449	31 XI GEM	06 42 28.966	+12 57 04.31		-0.0079	-0.194	3.360	1	3.790	1	3.850	1	F5IV		96074	V?	
1450	13 LYN	06 42 34.030	+57 13 25.14		+0.0027	-0.039	5.38						K0III-IV		25947		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1451	10 FT	CMA	06 42 34.183	-31 01 04.81		-0.0016	+0.006	4.96						B3P		197149	OV	
1452	9 ALP	CMA	06 42 56.713	-16 38 46.37	C	-0.0379	-1.211	-1.460	1	-1.460	1	-1.960	1	A1V		151881	n	
1453	32	GEM	06 43 05.673	+12 44 50.38		-0.0000	-0.000	6.39						F0		96084	V?	
1454	56 PSI- 5	AUR	06 43 08.206	+43 37 45.74		-0.0002	+0.164	5.22		5.790				G0V		41330	n	
1455	V 505	MON	06 43 13.368	+02 33 09.96		+0.0002	-0.019	7.5	6					B5	6	114378	V	
1456	16	MON	06 43 48.773	+08 38 30.21		-0.0004	-0.008	5.93	2	5.76	2	5.07	2	B3V		114388		
1457	57 PSI- 6	AUR	06 43 50.996	+48 50 40.75		-0.0002	+0.007	5.15						K1III		41346		
1458	ZET	MEN	06 44 14.538	-80 45 48.14		-0.0074	+0.057	5.64	2	5.84	2	5.99	2	A4IV		258451		
1459	11	CMA	06 44 34.174	-14 22 15.42		-0.0006	+0.009	5.29	2	5.25	2			B8		151919		
1460	MR	MON	06 44 35.955	+01 35 05.08		-0.0010	-0.014	8.6	6					MA	6	114409	V	
1461	17	MON	06 44 36.888	+08 05 34.26		-0.0019	-0.014	4.77	2	6.17	2	7.82	2	K4III		114410		
1462	12	CMA	06 44 52.925	-20 57 36.18		-0.0014	+0.003	6.08	2	5.89	2	5.27	2	B8		172318		
1463	18	MON	06 45 15.171	+02 28 06.45		-0.0014	-0.013	4.46	2	5.57	2	6.61	2	K0III		114428		
1464	-X	PUP	06 45 38.630	-37 52 24.62		-0.0015	-0.018	5.26	2	5.18	2			B9IV		197215	D	
1465	42	CAM	06 45 44.874	+67 37 48.63		+0.0012	+0.003	5.02						B3IV		13973		
1466	PZ	MON	06 45 45.932	+01 16 32.69		-0.0019	-0.006	8.9	6					K0	6	114440	V	
1467	O	CAR	06 46 20.239	-55 29 02.06		+0.0005	+0.017	5.61	2	7.13	2			K2		234710		
1468	1S	GEM	06 46 25.847	+32 39 55.87		-0.0034	-0.041	5.71						GK4		59521	V	
1469	RX	GEM	06 46 54.935	+33 17 51.72		-0.0012	-0.019	9.0	6					A2	6	59533	V	
1470	53	GEM	06 46 57.130	+16 15 40.93		-0.0013	-0.012	5.73		5.590				B8III		96161		
1471	58 PSI- 7	AUR	06 47 13.920	+41 50 32.27		-0.0021	-0.132	5.02	2	6.29	2	7.64	2	K3III		41380		
1472	35	GEM	06 47 36.143	+13 28 20.57		-0.0002	-0.004	5.74						GK3		96179		
1473	ALP	PIC	06 47 40.725	-61 53 14.35		-0.0101	+0.266	3.265	1	3.475	1	3.615	1	A5V		249647		
1474	13 KAP	CMA	06 47 58.322	-32 26 58.66		-0.0009	+0.002	3.950	1	3.720	1	2.790	1	B2VE		197258		
1475	V 592	MON	06 48 17.803	-07 58 53.32		-0.0008	-0.002	6.31	2	6.31	2	6.33	2	A2P	7	133761	V	
1476	43	CAM	06 48 19.454	+68 56 58.72		+0.0011	+0.006	5.14						B7IV		13986		
1477	36 -D	GEM	06 48 33.241	+21 49 19.14		-0.0007	-0.034	5.18		5.160				A2V		78805	D	
1478	14	LYN	06 48 40.820	+59 30 37.68		-0.0006	-0.040	5.38						GG0		26012	D	
1479	TAU	PUP	06 48 41.683	-50 33 15.49		+0.0033	-0.074	2.920	1	4.120	1	5.330	1	K0III		234735		
1480	A	CAR	06 48 46.131	-53 33 47.16		-0.0004	+0.030	4.40	2	5.32	2	5.93	2	GG3		234737		
1481	V 519	MON	06 48 55.117	+00 01 40.45		-0.0004	-0.031	8.7	6					M2	6	114519	V	
1482	SX	MON	06 49 18.112	+04 49 31.93		-0.0009	-0.022	8.5	6					MB	6	114535	V	
1483	34 THE	GEM	06 49 29.672	+34 01 24.57		-0.0001	-0.051	3.600	1	3.700	1	3.840	1	A3III		59570	D	
1484	59	AUR	06 49 35.149	+38 55 51.05		+0.0005	+0.006	5.96						A7N		59571	D	
1485	60	AUR	06 49 47.756	+38 30 08.68		+0.0030	-0.178	6.25						DF5		59576		
1486	61 PSI- 8	AUR	06 50 31.472	+38 34 05.86		-0.0008	-0.028	6.24		6.190				B9P?		59589		
1487	GY	MON	06 50 42.753	-04 30 48.57		-0.0001	+0.000	9.0	6					NB	6	133825	V	
1488	15 EY	CMA	06 51 23.118	-20 09 40.03		-0.0009	+0.003	4.83	2	4.62	2	3.66	2	B1IV		172520	V	
1489	38 -E	GEM	06 51 49.416	+13 14 34.72		+0.0053	-0.084	4.65	2	4.95	2	5.03	2	F0VP		96265	DV?	
1490	14 THE	CMA	06 51 51.951	-11 58 28.64		-0.0098	-0.017	4.08	2	5.51	2	7.20	2	K4III		152071		
1491	IOT	VOL	06 52 01.688	-70 54 05.41		+0.0003	+0.018	5.40	2	5.29	2	4.91	2	B6IV		256344		
1492	16 OMI- 1	CMA	06 52 03.362	-24 07 12.87		-0.0009	+0.011	3.92	2	5.63	2	7.63	2	K3IAB		172542	V	
1493	EZ	CMA	06 52 08.092	-23 51 51.60		-0.0010	+0.001	6.55	4			5.650	7	WN5	7	172546	V	
1494	37	GEM	06 52 14.197	+25 26 24.14		-0.0030	+0.020	5.67						DG0		78866		
1495	AU	MON	06 52 22.469	-01 18 40.78		-0.0014	-0.021	8.8	6					B5	6	133887	V	
1496	PSI- 9	AUR	06 52 50.489	+46 20 23.27		+0.0018	-0.012	5.75		5.690				B8		41446		
1497	17	CMA	06 52 53.107	-20 20 22.93		-0.0006	-0.006	5.75						A2		172569	D	
1498	15	LYN	06 52 57.126	+58 29 26.92		-0.0003	-0.136	4.35	2	5.20	2	5.71	2	G5III-IV		26051	D	
1499	19 PI	CMA	06 53 27.261	-20 04 17.13		+0.0029	+0.041	4.69	2	5.05	2	5.11	2	GF2		172579	D	
1500	18 MU	CMA	06 53 49.103	-13 58 38.75		-0.0005	+0.002	5.00	2	6.18	2			G5+A2		152123	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
1501	20 IOT	CMA	06 53 54.354	-16 59 16.84	-0.0007	+0.008	4.37	2	4.31	2	3.61	2	B3II		162126	V?	
1502	16	LYN	06 53 58.335	+45 09 40.72	-0.0021	-0.001	4.90	2	4.93	2	4.98	2	A2V		41463	V?	
1503		MCN	06 54 48.331	-08 59 48.39	-0.0023	-0.004	8.4	6					GM3E-M4	7	133942	V	
1504	62	AUR	06 55 38.542	+38 07 22.55	-0.0034	-0.123	5.99	2	7.22	2	8.38	2	K2III		59658		
1505		MON	06 55 40.722	+06 14 08.25	-0.0018	+0.026	7.6	6					NR	7	114704	V	
1506	39	GEM	06 55 42.522	+26 08 55.02	-0.0124	+0.091	6.02						DF4		78929		
1507	V 523	MON	06 55 43.603	-08 57 32.47	-0.0006	+0.022	7.5	6					MR	6	133965	V	
1508	40	GEM	06 56 22.736	+25 59 02.04	-0.0007	-0.009	6.28		6.140				B8III		78947		
1509	-T	PUP	06 56 35.185	-34 02 33.48	-0.0017	+0.014	5.06	2	4.90	2			B5		197427		
1510	21 EPS	CMA	06 56 39.587	-28 54 10.24	+0.0001	+0.002	1.500	1	1.290	1	0.360	1	B2II		172676		
1511	R	LYN	06 57 10.767	+55 24 06.74	-0.0005	+0.005	6.5	4					SE	4	26007	V	
1512	41	GEM	06 57 23.407	+16 08 58.89	-0.0005	-0.008	5.62						CK4		96363		
1513	FU	CMA	06 58 11.836	-22 02 53.31	-0.0008	-0.020	6.52	2	6.36	2			B3IV-VME	7	172725	OV	
1514	V 526	MON	06 59 21.118	-01 03 29.95	-0.0005	-0.013	8.8	6					G0	6	134074	V	
1515	42	GEM	06 59 22.027	+24 17 18.71	-0.0005	-0.002	5.16		6.090				G5II		78909	V?	
1516	NP	GEM	06 59 31.035	+17 49 42.62	+0.0011	+0.042	6.00	7	7.59	7			M1	7	96407	V	
1517	22 SIG	CMA	06 59 43.581	-27 51 43.32	-0.0006	-0.002	3.430	1	5.150	1	7.020	1	M0IAB		172797	OV	
1518	THE	MEN	06 59 45.989	-79 21 01.00	-0.0032	-0.002	5.45	2	5.50	2	5.43	2	A0		256355		
1519	19	MON	07 00 25.747	-04 09 54.91	-0.0011	-0.001	5.00	2	4.80	2	3.87	2	B1V		134106	V?	
1520	TX	PUP	07 00 40.187	-41 32 14.02	-0.0036	-0.017	9.0	6					G0	6	218394	V	
1521	24 OMI- 2	CMA	07 00 56.142	-23 45 32.46	-0.0005	-0.001	3.010	1	2.930	1	2.130	1	B3IA		172839		
1522	43 ZET	GEM	07 01 08.627	+20 38 43.45	-0.0006	-0.003	3.650	1	4.340	1	4.820	1	F7I9		79031	OV	
1523	Z	CMA	07 01 22.566	-11 28 35.91	-0.0014	+0.021	8.6	6					BP	6	152302	V	
1524	23 GAM	CMA	07 01 29.713	-15 33 28.79	-0.0004	-0.009	4.12	2	4.01	2	3.53	2	B8II		152303		
1525	44	GEM	07 02 17.795	+22 42 50.54	-0.0003	-0.015	5.87		5.840				B9.5V		79042		
1526	C	PUP	07 02 27.608	-42 15 44.93	-0.0016	+0.067	5.20	2	5.40	2			A M		218424		
1527	H	PUP	07 02 35.650	-49 30 35.90	-0.0053	+0.146	4.93	2	5.07	2			A2M		218427		
1528	V 569	MON	07 03 27.976	-10 34 59.24	-0.0004	-0.032	6.49	2	6.44	2	5.56	2	B0.5IVN	7	152363	OV	
1529	TW	GEM	07 04 17.604	+22 35 15.40	-0.0004	-0.015	7.8	5					M0III	7	79067	V	
1530	FN	CMA	07 04 19.773	-11 12 56.53	-0.0012	-0.008	5.39	2	5.44	2	4.60	2	B0.5IV		152304	OV	
1531	R	GEM	07 04 20.784	+22 46 56.72	+0.0003	-0.004	6.5						S3-9E		79070	V	
1532	17	LYN	07 05 09.524	+60 52 24.38	-0.0011	-0.050	6.73	4					K0	4	14005		
1533	FV	CMA	07 05 17.090	-23 45 39.91	-0.0007	+0.021	5.75		5.55	7			B2IV-VE	7	173002	V	
1534	D	PUP	07 05 28.757	-40 48 50.15	-0.0013	+0.003	5.91						B9		218465		
1535	45	GEM	07 05 29.997	+16 00 44.16	-0.0005	-0.102	5.41						GG8		96535	D	
1536	W	CMA	07 05 43.195	-11 50 35.15	-0.0024	+0.023	7.0	6					NA	6	152427	V	
1537	R	CMi	07 05 57.563	+10 06 16.10	-0.0008	-0.009	7.2	4					SE	4	96548	V	
1538	AC	CAR	07 05 58.097	-58 18 06.02	+0.0027	-0.002	9.1	7					MC	6	234939	V	
1539	SW	CMA	07 06 07.882	-22 21 36.06	-0.0006	-0.004	9.1	6					A0	6	173039	V	
1540	25 DEL	CMA	07 06 21.435	-26 18 45.36	-0.0006	+0.003	1.840	1	2.510	1	3.050	1	F8IA		173047		
1541	AP	MON	07 07 07.584	-06 39 02.98	-0.0011	-0.020	8.7	6					M2	6	134271	V	
1542	A	PUP	07 07 10.276	-39 34 27.71	-0.0010	+0.004	4.83	2	4.65	2	3.96	2	B3V		197632		
1543	20	MON	07 07 44.624	-04 09 27.36	-0.0004	-0.214	4.92	2	5.95	2	6.73	2	K0III		134282		
1544	46 TAU	GEM	07 07 57.505	+30 19 44.65	-0.0022	-0.047	4.42	2	5.68	2	7.08	2	K2III		59858	OV?	
1545	63	AUR	07 08 13.118	+39 24 14.81	+0.0038	+0.001	4.91						K4II-III		59866		
1546	47	GEM	07 08 17.068	+26 56 25.81	-0.0016	-0.040	5.58		5.700				A4V		79141		
1547	21	MON	07 08 50.243	-00 13 04.59	-0.0023	-0.013	5.46	2	5.75	2	5.89	2	A8N		134316	V	
1548	GAM- 1	VOL	07 09 08.228	-70 24 57.88	+0.0017	+0.097	5.718	1	6.628	1	7.238	1	DF4		256373	OV?	163
1549	GAM- 2	VOL	07 09 10.804	-70 25 04.75	+0.0052	+0.102	3.778	1	4.688	1	5.298	1	G8III		256374	OV?	164
1550	22 DEL	MON	07 09 18.620	-00 24 30.42	-0.0003	+0.005	4.15	2	4.15	2	4.19	2	A0IV		134330	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1551	48	GEM	07 09 24.141	+24 12 50.05	-0.0015	-0.0050	5.86	2	6.23	2			GF4		79162		
1552	AA	CAM	07 09 34.134	+68 53 25.18	+0.0036	+0.004	7.6	4					MR	4	14121	V	
1553	49	GEM	07 09 44.906	+25 50 01.82	-0.0007	-0.013	6.89	4					A0	4	79172		
1554	26	CMA	07 10 09.373	-25 51 27.36	-0.0010	+0.009	5.86						B3		173193		
1555	51	BQ	07 10 30.024	+16 14 43.74	+0.0010	-0.044	5.08						M4III		96638	V	
1556	E	PUP	07 10 36.356	-40 24 47.92	-0.0022	-0.017	5.31	2	5.37	2	5.46	2	A P		218525		
1557	I	PUP	07 11 08.037	-46 40 29.97	-0.0136	+0.100	4.49	2	4.81	2	4.80	2	F0V		218537		
1558	V 536	MON	07 11 25.006	-02 49 17.45	-0.0009	+0.004	9.0	6					A0	6	134383	V	
1559	18	LYN	07 11 33.384	+59 43 44.86	-0.0123	-0.259	5.22						K2III		26248		
1560	52	GEM	07 11 38.548	+24 58 24.86	+0.0036	-0.094	5.82	2	7.38	2	9.21	2	M1III		79199	DV?	
1561	L - 1	PUP	07 11 43.549	-45 05 42.29	-0.0024	-0.100	4.90	2	4.88	2			A SI		218546	V?	
1562	CO	CMA	07 11 58.263	-26 01 20.77	-0.0009	+0.014	8.2	6					M3	6	173257	V	
1563	L - 2	PUP	07 12 00.687	-44 33 26.39	+0.0098	+0.330	5.100	1	6.660	1	7.950	1	GM5E		218549	DV	125
1564	27	EW	07 12 12.835	-26 15 54.11	-0.0010	-0.005	4.65	2	4.45	2	3.76	2	B3IIIE		173264	DV	
1565	24	MON	07 12 45.781	-00 04 22.96	-0.0016	-0.004	6.41	2	7.31	2	7.88	2	G65		134414	D	
1566	A	OCT	07 12 46.518	-88 41 00.92	-0.0122	+0.015	7.75	4					A0	4	258465		
1567	28	OME	07 12 46.891	-26 41 05.01	-0.0009	+0.004	3.820	1	3.640	1	2.900	1	B3IVE		173282	V	
1568	53	GEM	07 12 49.878	+27 59 10.63	-0.0011	-0.001	5.70						GM1		79221	V?	
1569	RY	CMA	07 14 16.714	-11 23 50.68	+0.0005	-0.001	8.3	6					K0	6	152649	V	
1570	RS	LYN	07 14 28.716	+48 36 38.02	+0.0014	-0.015	8.8	6					MC	6	41678	V	
1571	64	AUR	07 14 33.781	+40 58 27.16	-0.0013	+0.012	5.71						A3	4	41679		
1572	45	CAM	07 14 52.505	+59 13 03.90	+0.0101	-0.027	7.63	4					F8		26269		15
1573	54	LAM	07 15 13.198	+16 37 56.12	-0.0034	-0.039	3.580	1	3.700	1	3.790	1	A3V		96746	DV?	
1574	PI	PUP	07 15 22.550	-37 00 23.90	-0.0010	+0.003	2.700	1	4.320	1	5.570	1	K5III		197705	V?	
1575	46	CAM	07 15 33.109	+59 20 45.11	-0.0005	-0.031	6.94	4					K2	4	26274		16
1576	RU	CAM	07 16 20.363	+69 45 53.38	+0.0030	-0.013	9.1	6	10.090	7			K0	6	14157	V	
1577	M	PUP	07 16 31.277	-43 53 39.99	-0.0020	+0.000	5.96						B9		218618		
1578	UPS- 1	PUP	07 16 31.676	-36 38 30.49	-0.0008	-0.001	4.67	2	4.57	2	3.78	2	B3VE		197824		
1579	29	OW	07 16 35.375	-24 27 58.78	-0.0008	-0.002	4.950	1	4.800	1	3.800	1	07F		173444	V	
1580	30	TAU	07 16 38.006	-24 51 42.54	-0.0010	+0.008	4.400	1	4.250	1	3.260	1	09III		173446	DV?	
1581	F	PUP	07 16 51.194	-39 07 04.40	+0.0002	+0.005	5.24						A1		197836		
1582	UPS- 2	PUP	07 16 51.454	-36 39 00.67	-0.0007	+0.001	5.11	2	4.95	2	4.28	2	B3V		197837		
1583	DEL	VOL	07 16 51.659	-67 51 56.77	-0.0011	-0.004	3.980	1	4.850	1	5.210	1	F8II		249809		
1584	55	OEL	07 17 08.265	+22 04 34.08	-0.0018	-0.014	3.530	1	3.870	1	3.910	1	F0IV		79294	D	
1585	R	CMA	07 17 12.307	-16 17 59.94	+0.0105	-0.134	5.4		5.750	7			F1V		152724	V	
1586	47	CAM	07 17 54.974	+59 59 49.72	+0.0005	+0.013	6.23						A M	6	26298	D	
1587	AR	MON	07 18 20.454	-05 09 54.68	+0.0020	-0.009	8.8	6					K0		134544	V	
1588	65	AUR	07 18 42.354	+36 51 23.47	-0.0074	-0.026	5.00						G8III		60010	D	
1589	19	LYN	07 18 46.483	+55 22 51.68	+0.0005	-0.026	6.53						A0		26311	D	
1590	19	LYN	07 18 47.691	+55 22 40.73	-0.0002	-0.031	5.61						B8		26312	D	
1591	56	GEM	07 18 59.879	+20 32 22.78	-0.0046	-0.030	5.06						GM0	6	79328	D	
1592	CW	CMA	07 19 46.375	-23 41 51.68	-0.0031	-0.009	8.8	6					B9		173554	V	
1593	57	A	07 20 25.700	+25 08 54.35	-0.0050	-0.025	4.97		5.950				G8III		79352		
1594	58	GEM	07 20 27.965	+23 02 35.89	-0.0015	-0.038	5.96						A1V		79354		
1595	66	AUR	07 20 40.918	+40 46 14.17	-0.0005	-0.027	5.13						K0III		41738		
1596	VZ	CAM	07 20 40.963	+82 30 50.36	-0.0003	-0.041	4.93						GM4		1179	V	
1597	VY	CMA	07 20 54.603	-25 40 11.90	-0.0026	-0.022	8.18	1	8.150	1	7.460	1	M3CE	1	173591	DV	
1598	59	GEM	07 21 26.869	+27 44 10.82	+0.0010	+0.015	5.64						GF0?		79366		
1599	31	ETA	07 22 06.972	-29 12 16.04	-0.0006	+0.002	2.440	1	2.350	1	1.640	1	B5IA		173651		
1600	1	CM1	07 22 11.545	+11 46 08.64	-0.0012	-0.016	5.28						A4III		96871		

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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1601	FW	CMA	07 22 24.487	-16 06 06.39	-0.0014	-0.013	5.33		5.29				B3VE		152834	V	
1602	60 IOT	GEM	07 22 37.375	+27 53 57.17	-0.0091	-0.088	3.790	1	4.830	1	5.670	1	K0III		79374		
1603	2 EPS	CMi	07 22 54.913	+09 22 34.68	-0.0005	-0.013	4.99	2	5.70	2	6.78	2	GRIII		115425		
1604	21	LYN	07 22 56.847	+49 18 46.66	-0.0012	-0.046	4.64	2	4.62	2	4.60	2	A1IV		41764		
1605	61	GEM	07 23 59.537	+20 21 32.39	-0.0003	-0.022	5.80						A6N		79301		
1606	3 BET	CMi	07 24 26.357	+08 23 29.89	-0.0036	-0.040	2.890	1	2.800	1	2.520	1	B7V		115456	V?	
1607	RY	GEM	07 24 32.914	+15 45 42.87	+0.0004	-0.017	9.0	6					A2	6	96912	V	
1608	Y	LYN	07 24 33.511	+46 05 35.76	-0.0004	+0.000	6.9	4					MB	4	41784	V	
1609	FX	CMA	07 24 43.011	-11 37 07.20	-0.0010	+0.006	9.0	6	11.18	7			S3,9(C1)	7	152891	V	
1610	63	GEM	07 24 46.354	+21 32 56.83	-0.0040	-0.124	5.18						F5IV-V		79403	D	
1611	FY	CMA	07 24 52.189	-22 59 02.77	-0.0012	+0.001	5.48		5.34	7			B0IV-VPE	7	173752	V	
1612	5 ETA	CMi	07 25 20.734	+07 02 43.34	-0.0004	-0.046	5.25	2	5.47	2	5.64	2	GF0		115477		
1613	4 GAM	CMi	07 25 26.447	+09 01 42.20	-0.0043	+0.015	4.30	2	5.73	2	7.26	2	K3III		115478		
1614	62 RHO	GEM	07 25 53.849	+31 53 08.32	+0.0118	+0.171	4.18	2	4.50	2	4.48	2	F0V		60118	D	
1615	22	LYN	07 26 08.560	+49 46 40.59	+0.0118	-0.081	5.36	2	5.81	2	5.75	2	F6V		41808		
1616	64 -B- 1	GEM	07 26 13.626	+28 13 22.79	-0.0030	-0.058	4.99		5.100				A6V		79427		
1617	65 -B- 2	GEM	07 26 42.249	+28 01 15.81	-0.0025	-0.026	4.92						K2III		79434	D	
1618	6	CMi	07 27 00.821	+12 06 41.66	+0.0000	-0.021	4.55	2	5.84	2	7.21	2	K2III		96952		
1619	-Y- 1	PUP	07 27 21.722	-38 42 27.65	-0.0025	+0.019	5.43	2	5.27	2			B3IV		198045		
1620	SIG	PUP	07 27 38.615	-43 11 57.43	-0.0054	+0.186	3.254	1	4.774	1	6.544	1	K5III		218755		120
1621	U	MON	07 28 24.264	-09 40 15.41	-0.0016	-0.004	5.6	4					G5	4	134775	V	
1622	EPS	MEN	07 28 25.568	-78 59 27.44	-0.0114	+0.010	5.53	2	6.81	2	8.23	2	K2		256415		
1623	NQ	GEM	07 28 52.664	+24 36 37.75	+0.0004	-0.001	8.0	6					C1-C6.5,3	7	79474	V	
1624	RY	PUP	07 29 11.401	-34 52 38.97	-0.0003	+0.005	7.72	4					K5	4	198072	V	
1625	7 DEL- 1	CMi	07 29 30.057	+02 01 18.95	-0.0011	-0.004	5.25	2	5.47	2	5.67	2	A8		115581		
1626	MQ	PUP	07 29 33.686	-37 53 42.18	+0.0002	+0.004	8.8	6					B9	6	198085	V	
1627	S	CMi	07 30 00.288	+08 25 35.49	-0.0014	-0.008	7.0	4					M7E	4	115591	V	
1628	VX	PUP	07 30 27.661	-21 49 19.99	+0.0013	-0.020	8.7	6					F5	6	173963	V	
1629	67	GEM	07 30 33.687	+15 44 52.79	-0.0005	-0.007	6.67	4					K0	4	97012		
1630	8 DEL- 2	CMi	07 30 34.368	+03 23 54.02	-0.0014	+0.036	5.59	2	5.90	2	6.00	2	A5		115610		
1631	TY	PUP	07 30 35.866	-20 41 02.30	-0.0011	+0.054	8.8	6					F0	6	173970	V	
1632	X	PUP	07 30 36.786	-20 48 03.32	+0.0013	+0.024	8.0	4					K0	4	173973	V	
1633	66	GEM	07 30 45.308	+15 56 08.79	-0.0013	-0.015	5.11		5.160				A1V		97016		
1634	66 ALP	GEM	07 31 24.654	+31 59 59.07	-0.0134	-0.102	1.580	1	1.620	1	1.630	1	A1V+AM		60198		
1635	YY	GEM	07 31 26.284	+31 58 50.39	-0.0154	-0.108	9.1	4					DM1E		60199	DV	
1636	KQ	PUP	07 31 30.073	-14 24 52.04	-0.0013	-0.000	4.98	2	6.38	2			M2IABEP+B2	7	153072	V	
1637	9 DEL- 3	CMi	07 31 38.445	+03 28 53.51	-0.0010	-0.016	5.81	2	5.79	2	5.70	2	A0		115644		
1638	-Z- 2	PUP	07 32 02.380	-36 13 43.04	-0.0015	-0.001	5.56	2	5.50	2			B3?VNEK		198130		
1639	-N- 1	PUP	07 32 11.738	-23 21 48.32	-0.0072	-0.001	5.770	2	6.200	2	6.230	2	DF4		174019	D	126
1640	-N- 2	PUP	07 32 12.337	-23 21 52.24	-0.0084	-0.013	5.920	2	6.350	2	6.380	2	DF6		174020	D	127
1641	69 UPS	GEM	07 32 50.603	+27 00 30.99	-0.0025	-0.109	4.06	2	5.60	2	7.54	2	M0III		79533		
1642	-P	PUP	07 33 22.339	-28 15 27.91	-0.0059	-0.022	4.61	2	4.49	2	4.06	2	B8		174058	D	
1643	YY	PUP	07 33 39.949	-19 16 49.08	-0.0055	-0.005	8.8	6					A0	6	153116	V	
1644	BN	GEM	07 34 13.366	+17 01 01.52	-0.0005	-0.010	7.7	5					O8VPE	7	97083	V	
1645	Q	CAR	07 34 25.490	-52 25 17.59	+0.0019	-0.019	4.94	2	6.34	2	7.97	2	GK2		235336		
1646	70	MON	07 34 47.496	-03 59 52.74	-0.0049	+0.014	5.12	2	5.56	2	5.68	2	F5III		134809	D	
1647	-Y- 2	PUP	07 35 16.127	+35 09 44.62	+0.0030	+0.027	5.49						G65		60243	D	
1648	-F	PUP	07 35 19.868	-48 43 00.46	-0.0008	+0.007	5.72	2	5.66	2			B9		218841		
1649		PUP	07 35 31.016	-34 51 17.92	-0.0023	+0.013	4.53	2	4.44	2	4.13	2	B8V		198195	D	
1650	48	CAM	07 35 41.142	+59 40 42.93	+0.0000	+0.003	7.10	4					A2	4	26450		17

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1651	71 OMI	GEM 07 35 54.293	+34 42 03.15		-0.0026	-0.114	4.91	2	5.31	2	5.42	2	F3III		60247		
1652	-M	PUP 07 36 13.084	-25 15 00.43		-0.0008	-0.010	4.70	2	4.59	2	4.24	2	B9		174175	D	
1653	74 -F	GEM 07 36 35.413	+17 47 24.19		+0.0004	+0.001	5.07						GM0		97120	V?	
1654	10 ALP	CMi 07 36 41.117	+05 21 16.81	C	-0.0473	-1.029	0.370	1	0.790	1	0.820	1	F5IV		115756	DV?	
1655	23	LYN 07 36 41.921	+57 11 57.00		-0.0018	-0.012	6.06						GK5		26459		
1656	-K- 1	PUP 07 36 46.323	-26 41 12.59		-0.0016	+0.016	4.494	2	4.304	2	3.744	2	B8		174198	D	123
1657	-K- 2	PUP 07 36 46.820	-26 41 19.88		-0.0025	+0.025	4.614	2	4.424	2	3.864	2	B5N		174199	D	124
1658	-Y- 3	PUP 07 36 53.375	-48 29 10.86		-0.0003	+0.008	5.65		6.25	7	6.67	7	F4IAB	7	218852	V	
1659	-E- 1	PUP 07 36 55.091	-36 22 53.93		-0.0011	-0.001	5.80	2	5.64	2			B5		198237		
1660	-D- 1	PUP 07 37 41.560	-38 11 32.04		-0.0018	+0.002	4.85	2	4.66	2	4.01	2	B3N		198253		
1661	-D- 2	PUP 07 37 57.705	-38 01 23.49		-0.0022	+0.009	5.74						B5		198265		
1662	-D- 3	PUP 07 38 01.910	-38 08 39.65		-0.0015	+0.002	5.76	2	5.69	2			B3N		198268	D	
1663	-D- 4	PUP 07 38 10.830	-37 27 46.01		-0.0005	-0.012	6.00	2	5.96	2	5.50	2	B3IV		198273		
1664	24	LYN 07 38 47.235	+58 49 47.02		-0.0047	-0.052	4.99	2	5.07	2	5.16	2	A3III		26474	D	
1665	26 ALP	MON 07 38 51.466	-09 25 59.53		-0.0052	-0.024	3.930	1	4.950	1	5.830	1	K0III		134986		
1666	R	PUP 07 38 56.212	-31 32 36.40		+0.0007	+0.010	6.56	2	7.74	2	8.57	2	G0IA	6	198286	V	
1667	UZ	PUP 07 39 26.765	-13 16 30.70		+0.0015	+0.050	9.1	6					F2	6	153259	V	
1668	WX	PUP 07 39 54.486	-25 45 27.31		-0.0012	-0.008	8.8	6					G0	6	174319	V	
1669	SU	MON 07 39 55.297	-10 45 38.91		-0.0003	-0.007	8.7	6					S3-6	7	153273	V	
1670	S	GEM 07 40 02.578	+23 34 08.63		-0.0011	-0.003	8.3	4					M4E	4	79635	V	
1671	75 SIG	GEM 07 40 11.382	+29 00 22.55		+0.0051	-0.234	4.29	2	5.41	2	6.38	2	K1III		79638	V?	
1672	76 -C	GEM 07 41 04.022	+25 54 17.99		-0.0014	-0.018	5.24						K5III		79650		
1673	77 KAP	GEM 07 41 25.857	+24 31 10.48		-0.0022	-0.055	3.570	1	4.490	1	5.190	1	G8III		79653	D	
1674	1	PUP 07 41 31.201	-28 17 27.46		-0.0014	+0.022	4.590	1	6.220	1	8.200	1	GK5		174391	DV?	
1675	AZ	CMi 07 41 31.249	+02 31 33.73		-0.0034	-0.024	6.47	2	6.67	2	6.81	2	F0	6	115864	V	
1676	3	PUP 07 41 47.957	-28 50 03.19		-0.0008	-0.005	3.950	1	4.130	1	4.080	1	A3IIIEP		174400		
1677	51	CAM 07 41 54.397	+65 34 40.21		+0.0056	+0.020	5.90						GK2		14321		
1678	49	CAM 07 41 56.712	+62 57 13.10		-0.0051	-0.059	6.32						GF0		14322		
1679	79	GEM 07 42 13.283	+20 26 16.20		-0.0009	+0.005	6.26		6.260				A0V		79665		
1680	78 BET	GEM 07 42 15.517	+28 08 55.11		-0.0474	-0.051	1.140	1	2.140	1	3.000	1	K0III		79666	DV?	
1681	ZET	VOL 07 42 26.985	-72 29 10.68		+0.0068	+0.016	3.940	1	4.980	1	5.820	1	K0III		256438	D	
1682	2	B PUP 07 43 10.625	-14 33 48.31		-0.0015	-0.022	6.80						A0		153362	D	
1683	2	A PUP 07 43 11.072	-14 34 04.60		-0.0014	-0.030	6.06						A0		153363	D	
1684	81 -G	GEM 07 43 13.834	+18 38 00.94		-0.0051	-0.062	4.87	2	6.33	2	8.09	2	K5III		97221		
1685	RZ	PUP 07 43 24.713	-39 43 34.98		-0.0004	+0.006	7.41	4					K2	4	198396	V	
1686	-C	PUP 07 43 28.327	-37 50 46.51		-0.0012	-0.001	3.610	1	5.340	1	7.040	1	CK		198398		
1687	11	CMi 07 43 31.103	+10 53 29.87		-0.0019	-0.024	5.22		5.230				A1V		97224	V?	
1688	4	PUP 07 43 38.664	-14 26 27.59		-0.0014	+0.003	5.04	2	5.37	2	5.46	2	A6N		153372		
1689	80 PI	GEM 07 44 17.114	+33 32 24.61		-0.0012	-0.031	5.14						GM0		60340	D	
1690	W	PUP 07 44 17.745	-42 04 21.62		-0.0007	+0.002	7.5	7					M3E	7	218969	V	
1691	S	PUP 07 45 16.786	-47 59 17.44		-0.0019	+0.016	7.18	4					A2	4	218988	V	
1692	82	GEM 07 45 34.367	+23 15 59.26		-0.0007	+0.005	6.13						DF3+A		79774	D	
1693	5	B PUP 07 45 36.123	-12 04 05.88		-0.0098	+0.028	8.2	4					DG3		153413	D	
1694	5	A PUP 07 45 36.136	-12 04 07.99		-0.0080	+0.055	5.52						DF5		153414	D	
1695	KV	PUP 07 45 52.766	-48 24 43.06		-0.0045	-0.012	9.6	5					A0	7	218999	V	
1696	OMI	PUP 07 46 00.394	-25 48 42.76		-0.0010	+0.003	4.52	2	4.47	2	3.45	2	B0V		174558	D	
1697	W	CMi 07 46 06.077	+05 31 08.83		-0.0000	+0.020	8.8	6					NA	6	115963	V	
1698	ZZ	PUP 07 46 12.994	-19 10 02.06		+0.0001	+0.032	9.0	6					B9	6	153429	V	
1699	T	GEM 07 46 18.127	+23 51 38.78		-0.0007	+0.007	8.0	4					SE	4	79717	V	
1700	T	PUP 07 46 25.895	-40 31 34.75		-0.0009	-0.031	5.96						M1		219006	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1701	Q	PUP	07 46 50.886	-46 57 02.24	-0.0091	-0.079	4.71	2	5.77	2	6.69	2	K0III		219018		
1702	7 XI	PUP	07 47 11.421	-24 43 59.22	-0.0005	-0.004	3.350	1	4.600	1	5.780	1	G3Ib		174601	n	
1703	6	PUP	07 47 25.628	-17 05 59.44	+0.0033	-0.120	5.54						K3III		153454		
1704	P	PUP	07 47 42.846	-46 14 47.17	-0.0006	+0.005	4.11	2	3.93	2	2.92	2	B0.5III		219035	n	
1705	13 ZET	CMI	07 49 06.395	+01 53 45.19	-0.0013	-0.005	5.14	2	5.03	2	4.54	2	B8		116043		
1706	8	PUP	07 49 20.522	-12 41 24.96	-0.0005	-0.015	6.46						F2		153499		
1707	9	PUP	07 49 27.328	-13 45 50.78	-0.0045	-0.344	5.160	1	5.760	1	5.820	1	G1V		153500	n	
1708	10	PUP	07 50 00.742	-14 42 59.29	-0.0012	-0.006	5.69						CF3		153520		
1709	64	GEM	07 50 02.935	+22 27 52.83	-0.0004	-0.009	7.12	4					K0	4	79768		
1710		CMI	07 50 11.740	+01 43 39.14	-0.0012	-0.002	9.0	6					F2	6	116066	V	
1711	83 PHI	GEM	07 50 26.354	+26 53 48.68	-0.0026	-0.034	4.98	2	5.07	2	5.18	2	A3V		79774		
1712	-A	PUP	07 50 29.827	-40 26 45.27	-0.0014	+0.000	3.730	1	4.780	1	5.530	1	G5III		219082		
1713	TU	MON	07 50 49.059	-02 54 40.73	-0.0016	-0.007	8.8	6					B8	6	135216	V	
1714	25	LYN	07 50 51.445	+47 31 02.53	-0.0017	+0.003	6.23						GK2		42055		
1715	-B	PUP	07 50 52.397	-38 43 56.84	-0.0008	-0.008	4.49	2	4.30	2	3.61	2	B3V		198545		
1716	26	LYN	07 51 04.651	+47 41 46.35	-0.0048	-0.000	5.555						GK4		42058		
1717	J	PUP	07 51 49.995	-47 58 18.20	-0.0001	+0.000	4.24	2	4.10	2	3.11	2	B1Ib		219111		
1718	52	CAM	07 52 24.226	+56 38 17.07	+0.0000	-0.026	6.49						A0		26579		
1719	85	GEM	07 52 44.904	+20 01 03.24	-0.0013	-0.043	5.31		5.270				B9.5V		79799		
1720	HU	PUP	07 53 38.431	-28 30 54.94	+0.0011	-0.028	8.9	6					K5	6	174817	V	
1721	1	CNC	07 54 09.186	+15 55 31.23	-0.0019	-0.045	5.81						GK3		97399		
1722	MW	PUP	07 54 26.166	-44 46 44.05	-0.0015	+0.002	9.2	6					A0	6	219162	V	
1723	11 -E- 2	PUP	07 54 42.490	-22 44 43.84	-0.0024	+0.005	4.20	2	4.92	2	5.36	2	F8II		174852		
1724	CHI	CAR	07 55 30.426	-52 50 50.75	-0.0037	+0.025	3.470	1	3.290	1	2.640	1	B2IV		235635		
1725	N	PUP	07 55 41.224	-43 58 27.87	-0.0002	+0.007	5.09	2	4.92	2			B3		219197	D	
1726	14	CMI	07 55 45.091	+02 21 34.14	-0.0108	+0.096	5.28	2	6.19	2	6.91	2	K0III		116182		
1727	AP	PUP	07 56 00.958	-39 59 14.80	-0.0033	-0.010	7.50	5					F5?F8?	7	198641	V	
1728	O	PUP	07 56 17.441	-45 26 31.19	-0.0012	+0.019	5.17	2	6.44	2			GK4		219218		
1729	AQ	PUP	07 56 20.720	-28 59 37.26	-0.0017	+0.012	8.7	6					K5	6	174904	V	
1730	V	PUP	07 56 48.105	-49 06 30.44	-0.0016	+0.007	4.200	1	4.020	1	3.070	1	B2N		219226	DV	
1731	UX	MON	07 56 50.192	-07 22 03.86	-0.0017	+0.001	8.0	6					A3	6	135333	V	
1732	12	PUP	07 56 56.986	-23 10 24.06	-0.0012	-0.002	5.11	2	6.23	2			CK2		174932		
1733	27	MON	07 57 14.251	-03 32 31.18	-0.0039	-0.008	4.93	2	6.14	2	7.35	2	K2III		135345		
1734	53 AX	CAM	07 57 26.971	+60 27 48.10	-0.0058	-0.022	6.00		6.130				A2P	7	14402	V	
1735	2 OME	CNC	07 57 54.480	+25 31 52.56	+0.0010	+0.001	5.75						GG8		79861		
1736	3	CNC	07 57 55.470	+17 26 49.93	-0.0007	-0.008	5.55						GK3		97472		
1737	54	CAM	07 58 32.122	+57 24 51.02	-0.0032	-0.066	6.40						DF8		26634		
1738	5	CNC	07 58 39.375	+16 35 40.63	+0.0003	-0.009	5.86		5.840				B9V		97485		
1739	28	MON	07 58 40.675	-01 15 08.75	+0.0038	-0.077	4.67	2	6.16	2	7.93	2	K4III		135380		
1740	4	CNC	07 58 42.959	+25 13 43.71	-0.0015	+0.017	6.16		6.170				A1V		79869		
1741	AA	PUP	07 59 28.894	-24 34 40.55	-0.0003	+0.003	9.4	6					F8	6	175004	V	
1742	UU	CNC	07 59 41.467	+15 19 07.06	+0.0000	-0.004	8.9	6							97496	V	
1743	D- 1	CAR	07 59 42.321	-63 25 42.46	+0.0001	+0.019	4.820	1	4.650	1	4.030	1	B3IV		250069		
1744	SV	LYN	08 00 23.811	+36 29 10.23	-0.0003	-0.035	6.8	6					MB	6	60532	V	
1745	CHI	GEM	08 00 27.000	+27 56 10.14	-0.0019	-0.044	4.89						K2III		79896		
1746	7	CNC	08 00 53.481	+22 12 44.84	-0.0029	-0.010	6.85	4					K0	4	79903		
1747	ZET	PUP	08 01 49.552	-39 51 40.83	-0.0027	+0.011	2.250	1	1.980	1	0.890	1	O5F		198752		
1748	6	CNC	08 02 17.441	+13 15 43.55	-0.0024	-0.069	5.11		5.110				A0IV		97542		
1749	MZ	PUP	08 02 19.176	-32 31 56.35	-0.0006	+0.002	5.40		7.32	7			CM1		198764	V	
1750	14	PUP	08 02 28.224	-19 35 06.67	-0.0002	+0.000	6.13	2	5.97	2			B3V		153796		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1751	9 dL	CNC	08 03 20.744	+22 46 47.76	-0.0005	-0.008	6.04	7	7.67	7			GM3		79940	V	
1752	RT	PUP	08 03 32.059	-38 37 57.89	-0.0017	+0.010	10.2	7					NR	6	198783	V	
1753	28	LYN	08 03 42.454	+43 24 20.78	-0.0007	-0.032	6.20						A0		42174		
1754	D- 2	CAR	08 04 00.426	-62 41 33.14	-0.0012	+0.015	6.30	2	6.20	2			B4VN		250101	D	
1755	YY	CMI	08 04 02.855	+02 04 26.92	-0.0006	+0.002	8.6	6					F5	6	116352	V	
1756	SW	LYN	08 04 16.846	+41 56 46.98	-0.0014	-0.037	8.9	6					F2	6	42180	V	
1757	27	LYN	08 04 42.307	+51 39 09.91	-0.0064	-0.007	4.84	2	4.89	2	4.89	2	A2V		26687	D	
1758	10 MU	CNC	08 04 49.417	+21 43 42.36	+0.0015	-0.074	5.30	2	5.93	2	6.14	2	G2IV		79950		
1759	KU	PUP	08 05 20.055	-22 46 00.18	-0.0005	-0.022	8.5	6					N3	6	175215	V	
1760	15 RHO	PUP	08 05 24.821	-24 09 32.30	-0.0064	+0.048	2.810	1	3.240	1	3.430	1	F6IIP		175217	DV	
1761	BG	PUP	08 05 30.771	-20 32 15.77	-0.0026	+0.003	8.6	6					M2	6	175218	V	
1762	11	CNC	08 05 46.237	+27 37 38.97	-0.0012	-0.025	6.79	4					K0	4	79974		
1763	12	CNC	08 05 54.844	+13 47 16.08	-0.0001	-0.020	6.16						DF3		97594		
1764	29 ZET	MON	08 06 04.349	-02 50 12.87	-0.0014	-0.008	4.32	2	5.29	2	6.01	2	G2IB		135551	D	
1765	SZ	LYN	08 06 06.302	+44 37 09.70	-0.0006	-0.026	8.9	6	9.16	7			F2	6	42201	V	
1766	BH	PUP	08 06 32.407	-41 52 58.69	-0.0005	+0.001	8.7	6					B9	6	219459	V	
1767	16	PUP	08 06 47.628	-19 05 50.94	-0.0015	-0.010	4.40	2	4.25	2	3.65	2	B5V		153890		
1768	13	CNC	08 07 11.939	+25 59 35.45	-0.0011	-0.033	6.70	4					K0	4	79991		
1769	XY	PUP	08 07 12.937	-11 50 16.08	+0.0026	-0.021	8.8	6					A3	6	153899	V	
1770	14 PSI	CNC	08 07 26.658	+25 39 38.31	-0.0050	-0.351	5.73		6.560				DG6		79995		
1771	EPS	VOL	08 07 46.613	-68 28 12.52	-0.0042	+0.021	4.350	1	4.230	1	3.770	1	B5III		250128	D	
1772	55	CAM	08 07 51.795	+68 37 25.96	+0.0002	+0.006	5.36						G8II		14456		20
1773	GAM- 1	VEL	08 07 56.809	-47 11 50.48	-0.0009	-0.006	4.27	2	4.03	2			B3N		219501	D	
1774	GAM- 2	VEL	08 07 59.465	-47 11 18.31	-0.0006	+0.004	1.830	1	1.580	1	0.640	1	VC 7+07?		219504	DV?	
1775	B	CAR	08 08 11.036	-61 08 59.78	-0.0219	+0.283	4.76	2	5.19	2	5.16	2	DF7		250131		
1776	18	PUP	08 08 20.745	-13 39 03.44	-0.0170	+0.052	5.54	2	6.03	2			DF7		153924		
1777	VV	CNC	08 08 22.957	+19 17 52.23	+0.0000	-0.035	9.0	6							97631	V	
1778	19	PUP	08 08 55.501	-12 46 38.70	-0.0021	+0.008	4.72	2	5.68	2	6.45	2	K0III		153942	D	
1779	AX	VEL	08 09 17.294	-47 32 56.46	-0.0018	+0.015	8.6	6	9.16	7			F8	6	219549	V	
1780	16 ZET- 1	CNC	08 09 20.753	+17 47 59.93	+0.0047	-0.139	5.102						F8V+G0		97645	D	23
1781	16 ZET- 2	CNC	08 09 21.213	+17 47 58.38	+0.0069	-0.112	4.67	2	5.20	2			DG2		97646	D	
1782	-H- 1	PUP	08 09 34.249	-39 28 06.92	-0.0006	-0.006	4.45	2	6.07	2	7.92	2	CK		198908	V?	
1783	15 BM	CNC	08 10 03.143	+29 48 28.75	-0.0005	-0.023	5.63		5.560				A P		80016	V	
1784	AO	VEL	08 10 24.019	-48 35 43.69	-0.0021	-0.002	9.3	6					B9	6	219585	V	
1785	AH	VEL	08 10 25.576	-46 29 36.76	-0.0006	+0.007	5.50		6.100				F8P		219587	V	
1786	AT	PUP	08 10 30.774	-36 47 34.27	-0.0014	-0.003	8.09						F5	6	198930	V	
1787	20	PUP	08 11 02.019	-15 38 10.95	-0.0014	-0.007	4.99	2	6.06	2			G5II		153903		
1788	RS	PUP	08 11 08.975	-34 25 35.61	-0.0025	+0.020	7.59	7					F8-K5	7	198944	V	
1789	XZ	PUP	08 11 22.061	-23 48 03.97	-0.0033	+0.005	7.3	5					A0	7	175409	V	
1790	-R	PUP	08 11 36.196	-35 44 51.41	-0.0003	-0.004	4.77	2	4.66	2	3.68	2	B1.5IIIE	7	198957	V	
1791	56	CAM	08 11 38.522	+60 32 01.89	-0.0018	+0.005	6.32						DA7		14479	D	21
1792	RX	CNC	08 11 44.011	+24 53 16.40	+0.0002	-0.010	9.2	7					M8	6	80035	V	
1793	-H- 2	PUP	08 12 16.284	-40 11 39.07	+0.0035	-0.070	4.44	2	5.61	2	6.70	2	GK0		219635	D	
1794	AI	VEL	08 12 26.223	-44 25 21.80	+0.0036	+0.057	6.60	4					F0	4	219640	V	
1795	FF	CEP	08 13 25.809	+85 16 37.20	-0.0011	-0.008	9.5	6					M5	6	1316	V	
1796	29	LYN	08 13 42.052	+59 43 35.42	-0.0001	+0.001	5.52						A5		26756		
1797	17 BET	CNC	08 13 48.282	+09 20 27.73	-0.0030	-0.052	3.530	1	5.010	1	6.780	1	K4III		116569	D	
1798	R	CNC	08 13 48.540	+11 52 52.59	+0.0008	-0.013	6.0						GM7E		97694	V	
1799	C- 1	CAR	08 14 30.697	-62 45 39.52	-0.0031	-0.025	5.16	2	5.24	2			A2		250164	D	
1800	C- 2	CAR	08 14 30.999	-62 45 36.49	-0.0073	-0.003	8.5	4							250165	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1801	57 CAM	08 14 57.187	+62 39 49.67		-0.0019	+0.005	5.68						G65		14500		22
1802	21 PUP	08 15 05.499	-16 07 44.75		-0.0018	-0.012	6.31						A0		154076		
1803	AU PUP	08 15 55.185	-41 33 05.62		-0.0009	-0.008	8.7	6					A0	6	219743	V	
1804	30 LYN	08 16 24.598	+57 54 03.90		+0.0076	+0.012	5.89						DF2		26784		
1805	-Q PUP	08 16 40.940	-36 30 12.25		-0.0093	+0.093	4.45	2	4.67	2	4.78	2	A7III		109070		
1806	HQ HYA	08 16 51.267	-10 00 30.92		-0.0033	+0.033	6.31	2	6.64	2	6.81	2	A5	7	154105	V	
1807	16 CHI CMC	08 17 01.807	+27 22 52.07		-0.0012	-0.382	5.14	2	5.61	2	5.55	2	F6V		80104		
1808	SW PUP	08 17 08.043	-42 35 44.11		-0.0034	+0.008	9.4	6					F0	6	219771	V	
1809	19 LAM CMC	08 17 33.902	+24 10 52.39		-0.0016	-0.024	5.91		5.880				B9V		80113		
1810	V CMC	08 18 52.089	+17 26 43.26		+0.0002	+0.011	7.1	4					SE	4	97753	V	
1811	FZ HYA	08 18 54.729	+05 07 06.15		-0.0040	-0.019	8.7	6						6	116668	V	
1812	-W PUP	08 19 24.794	-32 53 39.54		-0.0011	+0.005	4.83	2	6.28	2	7.88	2	K1III		199118		
1813	31 LYN	08 19 25.154	+43 21 00.83		-0.0016	-0.100	4.25	2	5.80	2	7.71	2	K5III		42319		
1814	Z CMC	08 19 36.889	+15 09 11.08		-0.0004	-0.045	8.8	6					MC	6	97768	V	
1815	ALP CHA	08 19 51.079	-76 45 44.05		+0.0328	+0.108	4.070	1	4.460	1	4.440	1	F6IV		256496		
1816	KAP-1 VOL	08 19 58.562	-71 21 20.90		-0.0020	+0.026	5.37	2	5.31	2	5.00	2	B9		256497	D	
1817	KAP-2 VOL	08 20 09.985	-71 20 45.60		-0.0010	+0.040	5.65	2	5.55	2	5.24	2	A P		256499	D	
1818	22 PUP	08 20 25.732	-12 53 34.10		-0.0039	-0.048	3.13	2	4.13	2			G67		154177		
1819	20 -D-1 CMC	08 20 30.163	+18 29 39.10		-0.0037	-0.031	5.80						DF0		97781		
1820	B VEL	08 20 59.274	-48 19 44.43		-0.0018	+0.007	4.82	2	4.67	2	3.83	2	B1V		219848	D	
1821	21 CMC	08 21 11.210	+10 47 40.32		+0.0002	-0.026	6.16						GM2		97788	D	
1822	EPS CAR	08 21 29.383	-59 20 52.98		-0.0033	+0.015	1.860	1	3.140	1	3.330	1	K0II+B		235932	V?	
1823	FK HYA	08 22 02.251	-08 21 27.36		-0.0021	+0.016	7.5	6					MB	6	135876	V	
1824	1 HYA	08 22 05.455	-03 35 16.27		-0.0143	-0.028	5.62	2	6.08	2	6.02	2	DF2		135877		
1825	THE CHA	08 22 10.841	-77 19 26.05		-0.0391	+0.036	4.35	2	5.51	2	6.70	2	K0III-IV		256503	D	
1826	ETA VOL	08 22 32.621	-73 14 18.99		-0.0058	+0.011	5.29	2	5.30	2	5.29	2	A1		256505	D	
1827	25 -D-2 CMC	08 23 00.168	+17 12 44.52		-0.0133	-0.156	6.09						DF4		97806		
1828	30 MON	08 23 09.718	-03 44 31.46		-0.0047	-0.027	3.900	1	3.880	1	3.850	1	A0V		135896		10n
1829	22 PHI-1 CMC	08 23 25.457	+28 03 34.66		-0.0024	-0.124	5.63						K5III		80181		
1830	24 A CMC	08 23 41.534	+24 41 59.89		-0.0029	-0.083	7.10						DF1		80184	D	
1831	24 B CMC	08 23 41.815	+24 42 04.08		-0.0032	-0.088	7.64						DF6		80185	D	
1832	23 PHI-2B CMC	08 23 45.649	+27 05 57.10		-0.0010	-0.001	6.32		6.500				A4III		80187	D	27
1833	23 PHI-2A CMC	08 23 45.875	+27 06 00.98		-0.0011	-0.006	6.30		6.480				A4III		80188	D	26
1834	2 HYA	08 23 57.287	-03 49 18.50		-0.0038	-0.064	5.59	2	5.81	2	5.90	2	DF0		135916	V?	
1835	27 BP CMC	08 23 58.076	+12 49 15.71		-0.0018	-0.103	5.50	2	7.10	2	9.02	2	M3III	7	97819	V	
1836	NO PUP	08 24 27.447	-38 53 39.10		-0.0020	-0.011	6.68						B9V:	7	199222	DV	
1837	BET VOL	08 25 11.955	-65 58 11.00		-0.0052	-0.161	3.770	1	4.900	1	6.030	1	K2III		250228	V?	
1838	28 CMC	08 25 39.062	+24 18 43.94		-0.0022	-0.061	6.05						A5		80204		
1839	29 CMC	08 25 50.013	+14 22 39.84		-0.0010	-0.015	5.87		6.060				A5V		97843		
1840	1 OMI UMA	08 26 07.631	+60 53 14.56		-0.0180	-0.110	3.360	1	4.210	1	4.730	1	G5III		14573	DV?	
1841	F VEL	08 26 14.281	-52 55 20.63		-0.0078	+0.012	5.09	2	5.34	2			DF3		236002		
1842	AS VEL	08 26 27.552	-38 48 19.20		-0.0037	-0.020	8.8	7					A3	6	199271	V	
1843	TW CMC	08 26 51.737	+12 37 24.59		-0.0003	-0.011	8.4	6					G5	6	97854	V	
1844	RT HYA	08 27 13.205	-06 09 00.57		+0.0022	-0.031	8.4	6					M6E-M7	7	135976	V	
1845	A VEL	08 27 29.901	-47 45 40.37		-0.0016	-0.002	5.33	2	5.19	2			B5N		219985	D	
1846	V CAR	08 27 42.525	-59 57 17.92		-0.0004	-0.014	7.4	4	8.110	7			G5	4	236021	V	
1847	U PYX	08 27 49.133	-30 09 25.85		-0.0017	+0.009	8.0	6					K5	6	199294	V	
1848	TZ LYN	08 27 52.020	+40 23 38.48		-0.0010	-0.041	6.66	4					A0P	7	42408	V	
1849	GK HYA	08 28 13.561	+02 26 34.49		-0.0010	+0.017	9.0	6					G4	7	116843	V	
1850	30 UPS-1 CMC	08 28 33.272	+24 15 04.24		-0.0061	-0.049	5.65						A9N		80229		

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1851	51 THE	CYC	08 28 44.803	+18 15 53.29	-0.0040	-0.060	5.32						F5		97891		
1852	VZ	HYA	08 29 13.441	-06 08 56.62	-0.0007	-0.001	9.1	6					F5	6	136006	V	
1853	AL	VEL	08 29 35.407	-47 29 46.60	-0.0024	-0.007	9.0	6	9.87	7					220040	V	
1854	33 ETA	CNC	08 29 49.158	+20 36 44.72	-0.0032	-0.048	5.35						K3III		80243		
1855	34	CNC	08 29 56.657	+10 14 12.42	+0.0001	-0.008	6.23		6.210				A0V		97902		
1856	32 UPS- 2	CNC	08 30 02.916	+24 15 22.67	-0.0049	-0.051	6.36	2	7.38	2	8.26	2	G9III		90245		
1857	2 A	UMA	08 30 08.936	+65 19 03.83	-0.0077	-0.066	5.40						A M		14590		
1858	32	LYN	08 30 09.596	+36 36 26.92	-0.0119	-0.004	6.06						DF1		60896		
1859	X	CAR	08 30 11.601	-59 03 25.26	-0.0028	-0.012	8.0						A0	6	236056	V	
1860	FY	VEL	08 30 51.384	-49 25 50.11	-0.0015	-0.016	7.00	4	7.19	7	6.49	7	B2IRPE	7	220049	V	
1861	33	LYN	08 31 31.413	+36 35 33.31	-0.0026	-0.048	5.71		5.750				A2III		60907		
1862	35	CNC	08 32 27.104	+19 45 48.32	-0.0025	-0.014	6.58	2	7.26	2			G0III		97928		
1863	U	CYC	08 32 54.645	+19 04 10.11	+0.0007	+0.001	8.4	4					M2E	4	97942	V	
1864	3 HV	HYA	08 33 01.752	-07 48 32.10	-0.0020	+0.016	5.72	2	5.69	2	5.68	2	A P		136076	V	
1865	C	VEL	08 33 12.026	-49 46 16.11	+0.0004	+0.017	5.01	2	6.34	2	7.72	2	CG7		220138		
1866	-E- 1	CAR	08 34 05.838	-58 03 03.51	-0.0041	-0.004	5.26	2	5.12	2			B3VN		236105		
1867	-E- 2	CAR	08 34 08.841	-57 50 08.00	+0.0051	+0.021	4.86	2	5.86	2	6.67	2	G69		236106		
1868	E	VEL	08 34 22.442	-50 47 43.88	-0.0008	-0.005	5.80	2	5.67	2			B9SI		236110		
1869	36 -C	CNC	08 34 23.191	+09 49 49.87	-0.0022	-0.011	5.94		6.030				A3V		116953		
1870	3 PI - 1	UMA	08 34 46.703	+65 11 44.92	-0.0039	+0.086	5.64	2	6.26	2	6.33	2	G0V		14609		
1871	4 DEL	HYA	08 35 00.594	+05 52 45.60	-0.0045	-0.012	4.17	2	4.17	2	4.19	2	A0V		116965		
1872	RZ	VEL	08 35 17.673	-43 56 21.35	-0.0018	+0.002	7.5	4	8.25	7			K0	4	220186	V	
1873	37	CNC	08 35 22.736	+09 45 02.41	-0.0027	-0.010	6.53	2	6.51	2	6.47	2	A0		116975		
1874	ETA	PYX	08 35 43.953	-26 04 44.07	-0.0016	-0.015	5.27	2	5.23	2			A0		176189	D	
1875	4 FI - 2	UMA	08 35 51.956	+64 30 16.82	-0.0081	+0.024	4.61	2	5.78	2	6.94	2	K2III		14616		
1876	UV	CNC	08 35 52.830	+21 20 09.06	+0.0007	+0.003	8.9	6					M0	6	80312	V	
1877	-E	VEL	08 35 53.068	-42 48 47.89	-0.0011	+0.005	4.14	2	4.24	2	4.37	2	A9II		220204		
1878	RZ	CNC	08 36 02.695	+31 58 21.73	+0.0002	-0.005	8.5	6	9.680	7			K0	6	60954	V	
1879	T	VEL	08 36 03.417	-47 11 10.22	+0.0037	-0.011	7.7	4	8.44	7			G5	4	220208	V	
1880	5 SIG	HYA	08 36 08.671	+03 31 05.48	-0.0013	-0.021	4.43	2	5.63	2	6.91	2	K2III		116998		
1881	38	CNC	08 36 50.435	+19 57 21.43	-0.0025	-0.015	6.68	4					F0	4	98006		
1882	39	CNC	08 37 13.995	+20 11 08.03	-0.0025	-0.019	6.39	2	7.37	2	8.20	2	K0III		80333		
1883	RV	HYA	08 37 18.542	-09 24 32.87	-0.0002	-0.016	7.7	5					M5II	7	136144	V	
1884	40	CNC	08 37 19.063	+20 08 56.65	-0.0025	-0.015	6.52	4					A0	4	80336		
1885	BQ	CNC	08 37 34.163	+20 21 36.68	-0.0021	-0.014	8.0	6	8.30	7			F2VN	7	80343	V	
1886	34	LYN	08 37 34.214	+46 00 39.49	+0.0022	+0.088	5.35						G8IV		42490		
1887	41 EPS	CNC	08 37 35.068	+19 43 23.07	-0.0027	-0.010	6.30	2	6.47	2	6.63	2	A M		98024		
1888	AK	HYA	08 37 35.726	-17 07 23.39	+0.0002	-0.161	7.04	4					MB	4	154514	V	
1889	ZET	PYX	08 37 37.909	-29 22 55.74	-0.0014	-0.100	4.89	2	5.79	2			GG4		176253	DV?	
1890	6	HYA	08 37 39.279	-12 17 51.03	-0.0061	-0.006	4.98	2	6.40	2			K4III		154515		
1891	BN	CNC	08 37 47.647	+19 24 24.21	-0.0021	-0.014	8.0	6					A5	6	98027	V	
1892	42	CNC	08 37 51.120	+19 53 51.58	-0.0023	-0.019	6.72	4					A5	4	98030		
1893	BET	PYX	08 38 08.645	-35 07 47.40	+0.0012	-0.018	3.980	1	4.910	1	5.560	1	G4III		199490	D	
1894	VZ	CNC	08 38 09.536	+10 00 10.39	-0.0023	-0.026	7.83	5	8.030	7			F0	5	98035	V	
1895	OMI	VEL	08 38 51.636	-52 44 37.10	-0.0022	+0.019	3.600	1	3.420	1	2.800	1	B3III		246164	V	
1896	THE	VOL	08 38 54.785	-70 12 29.53	+0.0040	-0.048	5.20	2	5.21	2	5.18	2	A0		256535	D	
1897	-B	VEL	08 38 57.963	-46 28 12.11	-0.0004	+0.002	3.830	1	4.530	1	4.810	1	F2IA		220265	D	
1898	9	HYA	08 39 24.073	-15 45 45.16	-0.0006	-0.096	4.88	2	5.95	2	6.87	2	K1III		154552	D	
1899	-D	CAR	08 39 30.828	-59 34 55.65	-0.0005	-0.004	4.325	1	4.205	1	3.395	1	B1III		236181	D	
1900	-N	VEL	08 39 34.638	-47 08 16.20	-0.0017	+0.006	4.77	2	4.89	2	5.01	2	A5II		220284		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1901	43 GAM	CNC	08 40 23.702	+21 38 58.82	-0.0074	-0.043	4.66	2	4.68	2	4.69	2	A1V	6	80378		
1902	XX	CNC	08 40 24.319	+20 46 51.97	-0.0002	-0.014	8.0	6					M3		80379	V	
1903	45 A- 1	CNC	08 40 27.129	+12 51 41.34	-0.0001	-0.001	5.68						A9S		98069		
1904	7 ETA	HYA	08 40 36.696	+03 34 45.66	-0.0013	-0.005	4.300	1	4.100	1	3.360	1	B3V	4	117050	V?	
1905	S	CNC	08 41 04.901	+19 12 55.57	-0.0013	+0.003	8.0	4					A0		98075	V	
1906	F	HYA	08 41 13.052	-07 03 09.05	-0.0005	-0.001	4.61	2	5.45	2	5.96	2	G2IP		136221		
1907	ALP	PYX	08 41 34.889	-33 00 18.64	-0.0014	+0.009	3.690	1	3.510	1	2.640	1	B2III		199546		
1908	47 DEL	CNC	08 41 50.747	+18 20 21.83	-0.0012	-0.233	3.940	1	5.020	1	6.010	1	K0III		98087		
1909	SW	VEL	08 41 59.784	-47 13 17.95	-0.0038	-0.006	8.8	4	9.52	7			K2	4	220356	V	
1910	49 -B	CNC	08 42 02.283	+10 15 50.42	-0.0010	-0.021	5.66		5.550				A0P	7	98089	V	
1911	D	VEL	08 42 06.427	-49 38 28.34	+0.0025	+0.000	5.16	2	4.96	2	3.94	2	B0VN		220361		
1912	46	CNC	08 42 17.621	+30 52 49.01	-0.0001	-0.006	6.13	2	7.07	2	7.70	2	G5III		61029		
1913	10	HYA	08 42 22.440	+05 51 46.78	-0.0002	-0.008	6.13	2	6.33	2	6.43	2	A3N		117088		
1914	-D	VEL	08 42 36.707	-42 28 02.22	-0.0017	+0.016	4.07	2	4.94	2	5.46	2	G6G5		220371		
1915	ETA	CHA	08 43 04.655	-78 46 57.76	-0.0078	+0.021	5.47	2	5.37	2	5.02	2	B9IV		256543		
1916	SX	VEL	08 43 12.409	-46 09 37.12	-0.0008	-0.003	8.5	4	9.24	7			G5	4	220388	V	
1917	DEL	VEL	08 43 19.382	-54 31 28.26	+0.0025	-0.079	1.960	1	2.000	1	2.070	1	A0V		236232		
1918	R	PYX	08 43 23.798	-28 01 04.14	-0.0024	-0.002	7.8	4							176430	V	
1919	48 IOT- 1B	CNC	08 43 38.685	+28 56 57.95	-0.0013	-0.044	6.542	2	7.572	2	8.352	2	A3V		80415	DV?	25
1920	48 IOT- 1A	CNC	08 43 40.514	+28 56 39.19	-0.0018	-0.045	4.132	2	5.162	2	5.942	2	G8II		80416	D	24
1921	EY	HYA	08 43 45.951	+01 48 57.23	-0.0021	-0.012	9.0	6					M5	6	117103	V	
1922	RS	CAM	08 43 58.515	+79 08 50.53	+0.0020	-0.035	8.8	6					MB	6	6653	V	
1923	12 D	HYA	08 44 00.736	-13 21 49.74	+0.0007	-0.016	4.32	2			5.86	2	G8III		154622	D	
1924	11 EPS	HYA	08 44 07.755	+06 36 12.41	-0.0128	-0.055	3.380	1	4.060	1	4.430	1	G0III+DF7		117112	D	
1925	50 A- 2	CNC	08 44 11.641	+12 17 40.89	-0.0047	-0.056	5.63		5.740				A1V		98117		
1926	-A	VEL	08 44 19.888	-45 51 28.35	-0.0007	-0.002	3.910	1	3.910	1	3.860	1	A0III		220422		
1927	RS	CHA	08 44 58.108	-78 53 15.10	-0.0093	+0.039	6.05	2	6.28	2	6.36	2	A5	7	256549	V	
1928	-F	CAR	08 45 25.048	-56 35 06.99	+0.0001	+0.009	4.400	1	4.240	1	3.520	1	B2VME		236268	V?	
1929	13 RHO	HYA	08 45 47.115	+06 01 25.07	-0.0013	-0.037	4.37	2	4.32	2	4.27	2	A0V		117146	D	
1930	TT	PYX	08 46 21.553	-25 58 39.07	+0.0003	-0.011	8.9	6					B9	6	176505	V	
1931	14	HYA	08 46 50.952	-03 15 22.83	-0.0016	-0.027	5.31	2	5.21	2	4.86	2	A P		136308		
1932	-H	VEL	08 47 47.351	-40 07 59.83	-0.0013	-0.017	5.49	2	5.55	2			A2		220531		
1933	-G	VEL	08 48 03.857	-45 07 15.27	+0.0003	+0.014	5.02						A2		220540		
1934	54	CNC	08 48 14.474	+15 32 14.51	-0.0079	+0.074	6.38	2	7.02	2			DG2		98168		
1935	52	CNC	08 48 22.988	+16 11 13.67	-0.0021	+0.013	7.21	4					G5	4	98169		
1936	GAM	PYX	08 48 24.519	-27 31 24.55	-0.0100	+0.082	4.01	2	5.27	2	6.67	2	K4III		176559		
1937	35	LYN	08 48 35.956	+43 54 51.14	-0.0013	+0.044	5.17						K0III		42576		
1938	-F	VEL	08 48 51.592	-46 20 28.98	-0.0006	-0.003	5.10	2	4.89	2	3.91	2	B0III		220561	D	
1939	15	HYA	08 49 06.972	-06 59 19.51	-0.0033	-0.003	5.54	2	5.69	2	5.83	2	A M		136345	DV?	
1940	5 -B	UMA	08 49 16.518	+62 09 04.39	-0.0013	+0.021	5.69						F0		14691		
1941	53 BO	CNC	08 49 28.430	+28 26 53.64	-0.0012	-0.008	6.14		7.73	7			GM3		80476	V	
1942	51 SIG- 1	CNC	08 49 29.565	+32 39 46.52	-0.0002	+0.012	5.76						A M		61102	D	
1943	TU	CNC	08 49 34.927	+09 16 39.21	+0.0006	-0.013	9.1	6					A2	6	117211	V	
1944	55 RHO- 1	CNC	08 49 37.369	+28 31 23.16	-0.0366	-0.239	5.94		6.780				DK0		80478	D	
1945	RZ	PYX	08 49 56.062	-27 17 41.72	-0.0008	-0.012	8.7	6					B9	6	176601	V	
1946	S	HYA	08 50 57.491	+03 15 30.38	-0.0007	+0.010	7.3	4					M3E	4	117236	V	
1947	57 IOT- 2	CNC	08 51 11.894	+30 46 12.40	+0.0030	-0.023	5.47						G67		61125	D	
1948	V	PYX	08 51 25.693	-34 37 44.43	-0.0025	-0.021	9.0	7					K2	6	199750	V	
1949	6	UMA	08 52 21.685	+64 47 49.80	-0.0040	-0.084	5.55						G63		14703		
1950	X	CNC	08 52 34.038	+17 25 22.13	+0.0001	+0.005	6.64	2	10.00	2			CS-4		98230	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1951	56 RHO- 2 CNC	08 52 40.203	+28 07 10.72		-0.0009	-0.037	5.15						G8II-III		80511		
1952	16 ZET HYA	08 52 45.092	+06 08 13.25		-0.0068	+0.010	3.100	1	4.100	1	4.920	1	K0II-III		117264		
1953	17 B HYA	08 53 02.474	-07 46 40.43		-0.0004	-0.042	6.08	2	6.30	2	6.43	2	A3		136408	D	
1954	17 A HYA	08 53 02.503	-07 46 44.04		-0.0002	-0.028	6.67						A M		136409	D	
1955	60 CNC	08 53 11.839	+11 49 06.01		-0.0007	-0.014	5.56						GK5		98235	V?	
1956	T HYA	08 53 13.761	-08 56 58.07		-0.0015	+0.003	7.3	4					M3E	4	136414	V	
1957	DEL PYX	08 53 22.783	-27 29 18.69		+0.0057	-0.105	4.89	2	4.99	2	5.12	2	A3V		176697	D	
1958	T CNC	08 53 48.912	+20 02 29.76		-0.0009	-0.007	8.0	4					N3	4	80524	V	
1959	59 SIG- 2 CNC	08 53 51.783	+33 06 14.89		-0.0038	-0.072	5.39						A3		61146		
1960	-C CAR	08 53 54.921	-60 27 11.05		-0.0032	+0.037	3.840	1	3.740	1	3.290	1	B8II		250374	D	
1961	62 OMI- 1 CNC	08 54 27.731	+15 30 56.32		+0.0039	+0.013	5.07						A3		98247		
1962	63 OMI- 2 CNC	08 54 47.768	+15 46 28.55		+0.0040	+0.025	5.64						A5		98250		
1963	H VEL	08 54 48.708	-52 31 50.25		-0.0003	+0.006	4.690	1	4.565	1	4.005	1	B5V		236417	D	
1964	61 CNC	08 54 56.707	+30 25 37.71		+0.0043	+0.020	6.13						DF3		61157	D	
1965	RT CNC	08 55 33.068	+11 02 23.22		-0.0004	-0.030	8.2	6					MA	6	98266	V	
1966	-B- 1A CAR	08 55 45.016	-59 02 08.48		-0.0019	+0.005	4.909	1	4.739	1	4.089	1	B3IV		236436	D	29
1967	65 ALP CNC	08 55 45.247	+12 03 09.07		+0.0024	-0.034	4.26	2	4.39	2	4.54	2	A M		98267	D	
1968	9 IOT UMA	08 55 47.626	+48 14 22.05		-0.0443	-0.235	3.140	1	3.330	1	3.400	1	A7V		42630	D	
1969	-B- 1B CAR	08 55 50.184	-59 01 57.65		-0.0006	+0.015	7.349	1	7.179	1	6.529	1	B8	4	236440	D	30
1970	64 SIG- 3 CNC	08 56 28.705	+32 36 50.89		-0.0036	-0.039	5.46						GG9		61177		
1971	FZ VEL	08 57 10.346	-47 02 24.93		-0.0090	+0.052	5.18	2	5.43	2			F0III		220717	DV	
1972	10 UMA	08 57 24.075	+41 58 55.79		-0.0394	-0.253	3.970	1	4.400	1	4.460	1	F5V		42642	D	157
1973	TY PYX	08 57 34.039	-27 37 10.52		-0.0045	-0.032	6.8	6					G0	6	176805	V	
1974	8 RHO UMA	08 58 03.973	+67 49 35.21		-0.0036	-0.016	4.76	2	6.29	2	8.17	2	GM3		14742		
1975	-B- 2 CAR	08 58 10.509	-58 53 30.25		-0.0227	+0.277	5.16	2	5.58	2			DF4		236475	D	
1976	-W VEL	08 58 13.313	-41 03 29.79		-0.0038	+0.038	4.45	2	5.10	2	5.48	2	F8III		220730	V?	
1977	66 CNC	08 58 20.406	+32 26 56.52		-0.0003	-0.001	6.76		6.760				A3V		61202	D	
1978	67 CNC	08 58 50.267	+28 06 03.23		-0.0042	-0.080	5.96						A5		80585		
1979	68 CNC	08 58 55.374	+17 16 42.26		-0.0018	-0.013	7.11	4					B9	4	98302		
1980	CV VEL	08 59 03.648	-51 21 31.73		-0.0012	-0.001	6.72	4					B3	4	236495	V	
1981	69 NU CNC	08 59 49.072	+24 39 03.46		-0.0002	-0.007	5.46	2	5.43	2	5.33	2	A P		80595		
1982	12 KAP UMA	09 00 13.266	+47 21 20.78	L	-0.0033	-0.056	3.600	1	3.600	1	3.700	1	A0		42661	D	
1983	UV LYN	09 00 13.796	+38 17 47.83		-0.0054	+0.010	9.0	6							61222	V	
1984	UX LYN	09 00 35.781	+38 56 28.00		-0.0012	-0.024	6.70	4	8.17	7			M6III	7	61226	V	
1985	CW VEL	09 00 49.215	-52 38 36.08		-0.0015	-0.011	9.5	7					B9	6	236527	V	
1986	TZ CNC	09 01 09.321	+21 08 51.85		+0.0010	-0.006	9.1	6					M0	6	80608	V	
1987	70 CNC	09 01 11.303	+28 05 50.69		+0.0001	-0.005	6.31		6.310				A0V		80609		
1988	TT UMA	09 01 18.803	+60 29 12.04		-0.0011	-0.008	9.0	6							14755	V	
1989	ALP VOL	09 01 39.796	-66 11 46.16		+0.0007	-0.102	4.005	1	4.155	1	4.295	1	A5V		250422		
1990	-C VEL	09 02 25.701	-46 53 52.51		-0.0050	-0.016	3.750	1	4.950	1	6.160	1	K2III		220803		
1991	71 CNC	09 02 57.300	+17 35 27.11		-0.0018	-0.007	7.95	4					A2	4	98358		
1992	RX HYA	09 03 14.119	-08 03 35.87		-0.0005	-0.019	9.0	6					A2	6	136572	V	
1993	18 OME HYA	09 03 20.485	+05 17 35.72		-0.0012	-0.010	4.97	2	6.19	2	7.40	2	K2II-III		117420		
1994	11 SIG- 1 UMA	09 04 01.898	+67 04 33.26		-0.0030	-0.041	5.17						K5III		14769		
1995	ZET OCT	09 04 20.783	-85 27 58.13		-0.0952	+0.033	5.42	2	5.73	2	5.80	2	F0III		258515		
1996	72 TAU CNC	09 05 00.201	+29 51 23.34		-0.0023	-0.004	5.26						G8III		80650		
1997	G CAR	09 05 01.948	-72 24 05.11		+0.0025	-0.009	4.48	2	5.09	2	5.31	2	F6II-III		256582		
1998	76 KAP CNC	09 05 02.414	+10 52 14.13		-0.0014	-0.012	5.24		5.130				A P		98378	V	
1999	E CAR	09 05 14.516	-70 20 13.97		-0.0007	-0.009	4.700	1	4.550	1	3.750	1	B2VE		256583	V?	
2000	15 -F UMA	09 05 21.316	+51 48 28.27		-0.0147	-0.039	4.48	2	4.75	2	4.87	2	A M		27136		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2001	75	CNC	09 05 51.097	+26 50 14.13	-0.0093	-0.373	5.79						DG3		40659		
2002	KAP	PYX	09 05 51.103	-25 39 20.58	+0.0028	+0.005	4.56	2	6.17	2	8.04	2	GM0		177002	DV?	
2003	13 SIG- 2	UYA	09 06 01.131	+67 20 21.67	-0.0034	-0.077	4.81	2	5.30	2	5.32	2	F7IV-V		14788	NV?	
2004	LAM	VEL	09 06 09.310	-43 13 47.60	-0.0020	+0.012	2.210	1	3.860	1	5.670	1	KSIR		220878	NV	
2005	78	CNC	09 06 14.228	+17 40 24.18	-0.0031	-0.036	7.35	4					K0	4	98389		
2006	19	HYA	09 06 15.297	-08 23 10.97	-0.0018	-0.013	5.60	2	5.54	2	5.35	2	B8	6	136604	V	
2007	XY	UMA	09 06 18.433	+54 41 40.00	-0.0055	-0.175	9.1	6					G5		27143		
2008	77 X1	CNC	09 06 29.235	+22 14 55.95	+0.0002	-0.000	5.09						K0III		80666		
2009	BG	VEL	09 06 39.122	-51 13 59.96	-0.0008	-0.007	7.5	6	8.56	7			G5	6	236640	V	
2010	AZ	CAM	09 06 42.892	+82 08 51.35	-0.0035	-0.030	9.3	6							1470		
2011	14 TAU	UMA	09 06 49.121	+63 43 07.21	+0.0149	-0.065	4.67	2	5.02	2	5.17	2	A M		14796	D	
2012	20	HYA	09 07 08.810	-08 35 01.37	-0.0016	-0.015	5.46	2	6.47	2	7.25	2	GG6		136622		
2013	79	CNC	09 07 28.692	+22 12 02.42	+0.0004	+0.002	5.94						GG5		80674		
2014	KS	CNC	09 07 37.720	+31 10 05.01	-0.0016	-0.038	5.3						M6SE		61306	V	
2015	EPS- 1	PYX	09 07 49.166	-30 09 37.21	-0.0002	-0.048	5.633	2	5.823	2			A M		200047	D	13n
2016	EPS- 2	PYX	09 07 49.898	-30 09 52.57	+0.0014	-0.059	9.110	2	9.300	2			A3		200040	D	131
2017	TU	PYX	09 07 58.341	-19 42 34.85	-0.0055	-0.017	8.7	6					G0	6	154972	V	
2018	80	CNC	09 09 08.541	+18 15 00.42	-0.0026	-0.024	6.75	4					A0	4	98425		
2019	81	CNC	09 09 33.509	+15 11 55.13	-0.0361	+0.242	6.51	2	7.24	2			DG7		98427	D	
2020	-A	CAR	09 09 39.029	-58 45 41.72	-0.0034	+0.006	3.440	1	3.250	1	2.560	1	B2IV		236693	V?	
2021	21	HYA	09 09 57.872	-06 54 13.73	-0.0014	+0.015	6.11	2	6.33	2	6.45	2	A2		136662		
2022	-I	CAR	09 10 08.631	-62 06 40.95	-0.0059	+0.006	3.970	1	3.785	1	3.120	1	B3IV		250471		
2023	16 -C	UMA	09 10 24.631	+61 37 51.21	+0.0001	-0.034	5.17						DF9		14819		
2024	36	LYN	09 10 32.470	+43 25 30.92	-0.0026	-0.036	5.19		5.050				A1		42759		
2025	SY	VEL	09 10 34.847	-43 34 15.85	-0.0023	+0.015	8.9	7					MB	6	220949	V	
2026	GG	VEL	09 10 58.303	-43 16 52.18	-0.0010	-0.007	8.1	6					A0	6	220955	V	
2027	22 THE	HYA	09 11 45.818	+02 31 34.63	+0.0086	-0.313	3.880	1	3.810	1	3.690	1	B9.5VP		117527	NV?	
2028	17	UMA	09 12 08.473	+56 57 00.55	-0.0020	-0.035	5.31						KSIII		27185		
2029	82 PI	CNC	09 12 28.346	+15 09 00.14	-0.0028	-0.013	5.43						GK1		98456		
2030	-Z- 1	VEL	09 12 32.407	-43 01 10.42	-0.0025	+0.008	5.25	2	5.11	2	4.55	2	B5VN		220978	D	
2031	18 -E	UMA	09 12 36.226	+54 13 47.18	+0.0061	+0.058	4.84	2	5.02	2	5.11	2	A5V		27191		
2032	BET	CAR	09 12 39.662	-69 30 39.63	-0.0288	+0.102	1.680	1	1.680	1	1.710	1	A1IV		250495		
2033	-K- 1	VEL	09 12 57.381	-37 23 37.51	+0.0004	-0.016	5.86	2	6.69	2			G0		200152		
2034	-L	VEL	09 13 38.354	-38 21 38.67	-0.0060	-0.011	4.94	2	6.05	2	7.11	2	GK0		200159		
2035	-K- 2	VEL	09 13 44.903	-37 12 14.18	+0.0017	-0.013	4.62	2	5.07	2	5.17	2	F5III		200163	D	
2036	23	HYA	09 14 12.717	-06 08 36.69	+0.0011	+0.002	5.24	2	6.41	2	7.63	2	K2III		136725	D	
2037	24	HYA	09 14 14.336	-08 32 06.30	-0.0017	-0.001	5.47	2	5.38	2	5.08	2	B9		136728		
2038	-G	CAR	09 14 47.406	-57 19 53.02	-0.0018	-0.009	4.34	2	5.97	2	7.95	2	GK5		236787	V?	
2039	25	HYA	09 15 04.738	-11 45 03.66	-0.0027	-0.046	7.32	4					K0	4	155064		
2040	38	LYN	09 15 44.343	+37 00 55.56	-0.0025	-0.127	3.820	1	3.880	1	3.930	1	A3V		61391	D	
2041	IOT	CAR	09 15 45.109	-59 03 53.69	-0.0025	+0.005	2.250	1	2.430	1	2.590	1	F0I		236808	V?	
2042	83	CNC	09 16 11.558	+17 55 06.30	-0.0085	-0.134	6.60	4					F5	4	98488		
2043	K	VEL	09 16 25.907	-50 50 23.77	-0.0028	+0.006	5.26	2	5.18	2			B9		236824		
2044	20	UMA	09 16 40.917	+59 59 35.56	+0.0048	-0.020	7.46	4					K0	4	27213		
2045	37	LYN	09 17 16.198	+51 28 35.39	-0.0040	+0.146	6.05						DF3		27215	D	9n
2046	26	HYA	09 17 21.845	-11 45 46.60	-0.0020	+0.005	4.81	2	5.74	2	6.35	2	G8III		155096	D	
2047	40 ALP	LYN	09 18 00.865	+34 36 18.56	-0.0181	+0.013	3.130	1	4.680	1	6.630	1	M0III		61414	V?	
2048	27 P	HYA	09 18 02.492	-09 20 33.63	-0.0013	-0.034	4.79	2	5.73	2	6.40	2	G8III-IV		136768	D	
2049	CG	UMA	09 18 03.926	+56 54 44.96	-0.0011	-0.011	5.77		7.35	7			M4IIIA	7	27219	V	
2050	39	LYN	09 19 08.230	+49 45 31.88	-0.0029	-0.003	6.86	4					B9	4	42825	D	91

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC			DECLINATION DEG MN SEC			P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2051	THE	PYX	09 19	16.677		-25 45	06.29			-0.0009	-0.011	4.72	2	6.33	2	8.36	2	M1III		177322		
2052	-K	CAR	09 19	44.969		-62 11	27.88			+0.0010	-0.008	4.81	2	5.75	2	6.37	2	GG7		250544		
2053	WY	VEL	09 20	20.945		-52 21	00.92			-0.0006	-0.014	8.8	7					MA	6	236888	V	
2054	KAP	VEL	09 20	33.853		-54 47	47.30			-0.0009	+0.008	2.500	1	2.320	1	1.570	1	B2IV		236891		
2055	V	VEL	09 20	45.402		-55 44	47.01			+0.0010	-0.025	7.5	4	8.00	7			G5	4	236893	V	
2056	LAM	PYX	09 21	02.222		-28 37	09.04			-0.0106	+0.016	4.68	2	5.59	2	6.22	2	GG7		177374		
2057	1 KAP	LEO	09 21	44.777		+26 23	55.31			-0.0024	-0.050	4.46	2	5.69	2	7.00	2	K2III		80807	D	
2058	21	UMA	09 22	06.191		+54 13	56.75			-0.0031	-0.025	7.7	4					A2	4	27249	D	
2059	IL	HYA	09 22	33.861		-23 36	35.31			-0.0040	-0.044	7.7	6	8.70	7	9.34	7	K2IV	7	177412	V	
2060	28	HYA	09 22	54.006		-04 54	03.23			-0.0011	-0.015	5.59	2	7.11	2	8.93	2	K5III		136832		
2061	GI	VEL	09 23	10.048		-45 09	35.20			-0.0017	-0.019	8.1	6	9.76	7			MB	6	221144	V	
2062	GK	VEL	09 23	14.783		-43 45	38.61			-0.0026	+0.030	6.45	4	8.02	7	9.65	7	M5III	7	221146	V	
2063	AR	HYA	09 23	38.211		-23 32	46.35			+0.0016	+0.013	9.3	6					M4	6	177438	V	
2064	J	VEL	09 24	40.297		-53 09	41.95			-0.0011	-0.001	5.11	2	5.00	2			B5N		236972		
2065	29	HYA	09 24	47.584		-09 00	20.86			-0.0023	-0.004	6.54	2	6.59	2	6.61	2	A0		136861	D	
2066	G	HYA	09 25	00.995		-22 07	24.74			+0.0127	-0.008	4.68	2	5.81	2	6.98	2	GK3		177469		
2067	GL	VEL	09 25	06.355		-53 17	49.95			-0.0015	+0.008	7.5	6					MB	6	236943	V	
2068	30 ALP	HYA	09 25	07.791		-08 26	27.47			-0.0012	+0.028	1.970	1	3.420	1	5.140	1	K4III		16871	V?	
2069	41	LYN	09 25	23.853		+45 49	18.84			-0.0010	-0.127	5.43						GG5		42876		92
2070	RS	LMI	09 25	29.782		+36 22	44.93			+0.0008	-0.010	8.0	6					MB	6	61508	V	
2071	-N	CAR	09 25	39.313		-64 42	45.04			-0.0084	+0.059	6.05	2	6.20	2	6.30	2	A3		250583		
2072	IW	CAR	09 25	42.951		-63 24	43.29			-0.0009	-0.005	7.9	7							250584	V	
2073	2 OME	LEO	09 25	46.858		+09 16	32.01			+0.0036	-0.007	5.41	2	6.01	2	6.15	2	DF8		117717	D	
2074	3	LEO	09 25	49.476		+08 24	26.61			-0.0022	-0.036	5.71	2	6.75	2	7.65	2	GK0		117718	D	
2075	IOT	CHA	09 25	53.343		-80 34	17.84			-0.0593	+0.126	5.37	2	5.81	2	5.85	2	GF2		258530		
2076	31 TAU- 1	HYA	09 26	36.618		-02 32	58.04			+0.0084	-0.018	4.61	2	5.06	2	5.07	2	F6V		136895	D	
2077	EPS	ANT	09 27	10.760		-35 43	54.93			-0.0020	-0.007	4.51	2	5.95	2	7.63	2	K4III		200416		
2078	23 -H	UMA	09 27	36.565		+63 16	55.10			+0.0161	+0.026	3.670	1	4.000	1	4.100	1	F0IV		14908	DV?	
2079	7	LMI	09 27	42.239		+33 52	35.92			-0.0014	-0.049	5.80						GG8		61529		
2080	8	LMI	09 28	30.175		+35 19	31.32			-0.0046	-0.107	5.37						GM1		61540		
2081	ZET- 18	ANT	09 28	36.972		-31 40	13.06			-0.0013	-0.029	7.21						A0		200444	D	
2082	ZET- 1A	ANT	09 28	37.520		-31 40	05.92			+0.0019	-0.031	6.35						A0		200445	D	
2083	PSI	VEL	09 28	43.692		-40 14	49.28	C		-0.0165	+0.069	3.600	1	3.960	1	3.890	1	F2IV		221234	DV?	
2084	4 LAM	LEO	09 28	52.248		+23 11	22.21			-0.0018	-0.042	4.31	2	5.85	2	7.74	2	K5III		80885	V?	
2085	5 XI	LEO	09 29	15.137		+11 31	20.05			-0.0063	-0.086	5.68						K0III		98627	V?	
2086	6 -H	LEO	09 29	16.852		+09 56	14.06			-0.0003	-0.016	5.12						K3III		117751	D	
2087	ZET- 2	ANT	09 29	23.743		-31 39	02.14			-0.0034	-0.002	5.93	2	6.19	2			F0M		200459		
2088	32 TAU- 2	HYA	09 29	25.987		-00 57	47.98			-0.0010	-0.015	4.57	2	4.67	2	4.77	2	A3III		136932		
2089	25 THE	UMA	09 29	31.489		+51 54	23.18			-0.1029	-0.540	3.180	1	3.640	1	3.670	1	F6IV		27289	D	
2090	N	VEL	09 29	42.071		-56 48	47.60			-0.0042	-0.001	3.140	1	4.690	1	6.570	1	K5III		237067	V	
2091	24 -D	UMA	09 30	05.838		+70 03	06.47			-0.0124	+0.076	4.57	2	5.34	2	5.67	2	G2IV		6897		
2092	S	ANT	09 30	06.988		-28 24	24.28			-0.0057	+0.035	6.4		6.730	7			F0		177619	V	
2093	22	UMA	09 30	13.314		+72 25	45.64			+0.0168	-0.079	5.72						DF6		6898		
2094	9	LMI	09 30	26.554		+36 42	34.80			+0.0025	-0.039	6.26						GK4		61561		
2095	R	CAR	09 30	59.210		-62 34	01.09			-0.0049	+0.017	6.000	1	7.350	1	7.950	1	GM5E		250614	DV	
2096	10	LMI	09 31	09.969		+36 37	14.38			+0.0005	-0.026	4.55	2	5.47	2	6.10	2	G8III		61570		
2097	H	CAR	09 31	14.673		-72 51	32.55			-0.0043	-0.007	5.47	2	7.03	2	8.77	2	K2		256634		
2098	S	VEL	09 31	19.973		-44 59	10.84			-0.0041	+0.017	7.8	4					A0	4	221279	V	
2099	U	VEL	09 31	20.182		-45 17	33.97			-0.0021	-0.012	8.1	4					MB	4	221280	V	
2100	26	UMA	09 31	24.644		+52 16	30.21			-0.0072	-0.039	4.51	2	4.51	2	4.55	2	A2V		27298		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	G N
2101	T	ANT	09 31 46.781	-36 23 34.78	-0.0009	-0.025	9.28	7	9.770	7			G5	6	200500	V	
2102	33 A	HYA	09 32 02.913	-05 41 26.92	+0.0002	-0.058	5.56	2	6.72	2	7.85	2	GK1		136964		
2103	L	VEL	09 32 24.600	-51 01 56.19	-0.0016	-0.017	5.01	2	4.82	2			B3		237107		
2104	11	LMI	09 32 39.993	+36 02 14.72	-0.0582	-0.248	5.41	2	6.18	2	6.62	2	G8IV-V		61586	D	
2105	-H	CAR	09 32 59.588	-59 00 21.72	-0.0015	+0.012	4.085	1	4.090	1	3.535	1	B5II		237117		
2106	X	HYA	09 33 06.923	-14 28 03.52	-0.0066	-0.056	8.0	4					M7E	4	155319	V	
2107	7	LEO	09 33 09.069	+14 36 13.46	-0.0026	-0.005	6.18		6.220				A1V		98662	D	
2108	RR	ANT	09 33 36.178	-39 40 45.61	+0.0016	-0.012	9.4	7					MC	6	200536	V	
2109	Y	LEO	09 33 58.564	+26 27 26.73	+0.0015	-0.026	10.09	7					A	6	80927	V	
2110	8	LEO	09 34 17.202	+16 39 46.66	-0.0008	-0.008	5.72						GK1		98673		
2111	10	LEO	09 34 34.351	+07 03 39.18	-0.0041	-0.002	5.00	2	6.05	2	6.92	2	K1III		117807	V?	
2112	GW	CAR	09 34 57.419	-59 45 39.56	-0.0022	+0.024	9.8	7					B8	6	237142	V	
2113	9	LEO	09 34 58.426	+24 53 45.43	-0.0075	-0.021	6.60	4					F8	4	80935		
2114	M	VEL	09 35 02.133	-49 07 49.16	-0.0113	+0.025	4.35	2	4.52	2	4.64	2	DA5		221344	D	
2115	42	LYN	09 35 14.861	+40 27 55.05	-0.0016	+0.002	5.18						A6M		42958		
2116	11	LEO	09 35 17.680	+14 34 26.81	-0.0048	-0.089	6.60	4					F2	4	98683		
2117	34	HYA	09 35 24.347	-09 11 56.02	-0.0045	-0.003	6.40	2	6.36	2	6.27	2	A0		137011		
2118	ZET	CHA	09 35 25.737	-80 43 01.90	-0.0168	+0.007	5.11	2	4.97	2	4.40	2	B5IV		258538		
2119	2	SEX	09 35 50.850	+04 52 33.60	-0.0109	-0.057	4.68	2	6.00	2	7.45	2	K3III		117821		149
2120	-Y	VEL	09 36 04.084	-42 57 52.13	+0.0022	-0.035	5.50	2	6.50	2	7.17	2	GG6		221355		
2121	35 IOT	HYA	09 37 18.152	-00 54 53.79	+0.0031	-0.069	3.910	1	5.230	1	6.680	1	K3III		137035	V?	
2122	37	HYA	09 37 20.840	-10 20 35.66	-0.0020	+0.000	6.31	2	6.28	2	6.14	2	B9		155377		
2123	38 KAP	HYA	09 37 54.469	-14 06 16.63	-0.0022	-0.024	5.05	2	4.90	2	4.32	2	B5V		155388		
2124	-M	CAR	09 37 57.870	-61 06 04.10	-0.0055	+0.018	4.515	1	4.445	1	4.255	1	B9V		250653		
2125	27	UMA	09 38 23.692	+72 28 53.18	-0.0056	-0.031	5.20						K0III		6936		
2126	14 OMI	LEO	09 38 29.008	+10 07 14.64	-0.0097	-0.041	3.520	1	4.010	1	4.220	1	A2+F6II		98709	D	
2127	13	LEO	09 38 46.124	+26 08 29.20	-0.0010	-0.037	6.28						GK2		80970		
2128	43	LYN	09 38 54.884	+39 59 12.85	-0.0047	-0.043	5.36						G8III		61636		
2129	I	HYA	09 38 59.997	-23 21 48.43	-0.0023	-0.008	4.78	2	4.66	2	4.08	2	B2PE		177840	D	
2130	13	LMI	09 39 42.261	+35 19 22.71	-0.0014	-0.052	5.95						DF1		61648		
2131	R	SEX	09 40 14.064	-07 52 14.91	-0.0005	+0.015	9.1	6					MR	6	137070	V	
2132	W	UMA	09 40 15.405	+56 10 56.26	+0.0030	-0.029	7.9	6					G0	6	27364	V	
2133	15 -F	LEO	09 40 37.667	+30 12 19.19	-0.0014	-0.105	5.60		5.720				A3V		61656		
2134	YY	UMA	09 40 42.437	+53 59 47.37	-0.0013	-0.004	9.4	6					M5	6	27367	V	
2135	16 PSI	LEO	09 41 00.637	+14 15 05.06	+0.0002	-0.007	5.41						GM2		98733		
2136	THE	ANT	09 41 58.247	-27 32 23.32	-0.0037	+0.030	4.79	2	5.29	2	5.65	2	F7		177908	D	
2137	O	VEL	09 42 00.250	-53 39 42.38	-0.0079	+0.020	5.56	2	5.52	2			A0V		237268		
2138	28	UMA	09 42 05.969	+63 53 04.72	-0.0019	-0.046	6.42						A7N		14980	D	
2139	R	LMI	09 42 34.691	+34 44 34.30	-0.0012	+0.009	6.3	4					M7E	4	61669	V	
2140	17 EPS	LEO	09 43 00.996	+24 00 19.62	-0.0033	-0.015	2.980	1	3.790	1	4.250	1	G0II		81004		
2141	14	LMI	09 43 31.106	+45 20 51.61	+0.0052	-0.134	6.80	4					K0	4	43030		85
2142	18	LEO	09 43 41.792	+12 02 28.52	-0.0012	+0.011	5.60						GK4		98755		
2143	-L	CAR	09 43 52.354	-62 16 36.42	-0.0023	+0.003	3.400	1	4.600	1	5.600	1	CG2		250683	V	
2144	19	LEO	09 44 44.747	+11 48 01.42	-0.0037	-0.001	6.45	2	6.88	2			A3N		98767		
2145	R	LEO	09 44 52.230	+11 39 41.87	+0.0001	-0.046	5.0						GM8E		98769	V	
2146	15	LMI	09 45 22.443	+46 15 18.13	+0.0216	-0.095	5.10	2	5.72	2	5.80	2	G1V		43046		86
2147	3	SEX	09 45 43.552	-07 00 45.84	-0.0020	-0.017	7.11	4					B9	4	137142		
2148	UPS- 1	CAR	09 45 51.168	-64 50 22.20	-0.0015	+0.007	3.034	1	3.304	1	3.434	1	A9II		250695	D	35
2149	UPS- 2	CAR	09 45 51.775	-64 50 24.79	-0.0013	+0.019	5.914	1	6.184	1	6.314	1	F0		250696	D	36
2150	NU	CHA	09 46 21.206	-76 32 34.41	+0.0297	-0.051	5.45	2	6.34	2	6.91	2	K0		256658		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2151	20 LEO	09 47 02.362	+21 24 48.09		-0.0032	-0.016	5.92						A85		81035		
2152	16 LMI	09 47 09.987	+39 51 55.87		-0.0001	+0.005	6.76	4					K5	4	61707		
2153	XX ANT	09 47 19.670	-38 06 56.79		-0.0017	+0.032	8.6	6					F2	6	200776	V	
2154	29 UPS	09 47 27.102	+59 16 30.31		-0.0382	-0.156	3.810	1	4.100	1	4.190	1	F2IV		27401	DV	
2155	4 SEX	09 47 54.005	+04 34 42.65		-0.0100	-0.059	6.24	2	6.72	2	6.70	2	DF6		117937		
2156	-U VEL	09 48 00.448	-45 29 55.44		-0.0030	+0.002	5.08	2	4.98	2			B7	4	221523	D	
2157	21 LEO	09 48 07.934	+12 04 35.92		-0.0012	-0.010	6.66	4					A0		98806		
2158	23 LEO	09 48 19.771	+13 18 03.11		+0.0019	-0.012	6.55						GM0		98809		
2159	6 SEX	09 48 42.826	-04 00 29.52		+0.0006	-0.032	6.01	2	6.18	2	6.29	2	A5III		137183		
2160	30 PHI	09 48 43.042	+54 17 56.59	L	-0.0006	+0.017	4.60	2	4.63	2	4.71	2	A3S	4	27408	V	
2161	Y HYA	09 48 45.004	-22 46 56.91		-0.0013	-0.004	6.5	4					NP		178088		
2162	-G LEO	09 49 02.936	+24 37 58.22		+0.0005	-0.183	5.25		5.480				A5V		81054		
2163	39 UPS- 1	09 49 04.309	-14 36 40.49		+0.0011	-0.031	4.11	2	5.03	2	5.68	2	G8III		155542		
2164	Z LEO	09 49 16.360	+27 08 29.60		+0.0019	-0.005	9.9	7					M0	6	81057	V	
2165	17 LMI	09 49 20.180	+38 09 00.23		-0.0047	-0.022	6.74	4					F0	4	61725		
2166	7 SEX	09 49 37.430	+02 41 17.35		-0.0123	+0.088	6.02	2	5.98	2	5.89	2	A1V		117959		
2167	-M VEL	09 49 44.638	-46 18 45.25		-0.0013	-0.003	4.58	2	5.78	2	6.77	2	GG4		221553		
2168	24 MU	09 49 55.434	+26 14 36.08		-0.0160	-0.060	3.880	1	5.100	1	6.500	1	K2III		81064		
2169	8 GAM	09 50 01.878	-07 52 07.35		-0.0040	-0.045	5.05	2	5.09	2	5.15	2	A2		137109	D	
2170	9 SEX	09 51 29.911	+05 10 54.66		-0.0021	+0.012	6.98	4					K5	4	117980		
2171	RR SEX	09 52 16.626	+05 26 05.94		+0.0009	-0.038	9.0	6					M2	6	117987	V	
2172	31 SY	09 52 27.789	+50 03 25.05		-0.0007	+0.020	5.27						A2		27430	V	
2173	QX CAR	09 52 56.908	-58 11 01.77		+0.0009	+0.010	6.72	4	6.55	7			B5V	7	237480	V	
2174	X VEL	09 53 23.128	-41 20 59.23		-0.0011	-0.035	9.5	4					NR	4	221606	V	
2175	18 LMI	09 53 35.690	+32 37 20.08		-0.0038	+0.010	6.60	4					F2	4	61771		87
2176	19 LMI	09 54 37.760	+41 17 40.83		-0.0106	-0.029	5.14	2	5.60	2	5.60	2	F5V		43115		
2177	PHI VEL	09 55 06.249	-54 19 44.85		-0.0014	+0.005	3.540	1	3.460	1	2.830	1	B5II		237522	D	
2178	AL LEO	09 55 27.805	+18 31 49.02		-0.0004	+0.007	9.4	6					G5	4	98873	V	
2179	26 LEO	09 55 28.730	+15 27 38.33		-0.0027	-0.019	7.6	4					B9.5V		98874		
2180	27 NU	09 55 32.087	+12 41 02.93		-0.0017	-0.020	5.17		5.130				M6	4	98876		
2181	RR CAR	09 56 27.374	-58 37 18.96		-0.0020	+0.013	8.1	4					F0V		217549	V	
2182	ETA ANT	09 56 43.347	-35 39 03.66		-0.0081	-0.024	5.23	2	5.53	2			A5		200926	D	
2183	12 SEX	09 57 07.479	+03 37 28.41		-0.0046	+0.017	6.70	2	6.97	2	7.06	2			118041	V?	
2184	AC LEO	09 57 30.383	+17 42 00.78		-0.0012	-0.008	9.0	6							98890	V	
2185	29 PI	09 57 34.334	+08 17 05.76		-0.0022	-0.026	4.70	2	6.30	2	8.22	2	M2III		118044		
2186	20 LMI	09 58 08.015	+32 10 13.65		-0.0414	-0.433	5.35	2	6.01	2	6.29	2	G4V		61808		
2187	YY ANT	09 59 23.060	-37 51 00.31		+0.0024	-0.016	9.27	4					MR	6	200972	V	
2188	13 SEX	10 01 33.031	+03 26 42.73		-0.0052	-0.101	6.45	2	6.85	2	6.83	2	DF3		118086		
2189	MU CHA	10 02 08.751	-81 58 22.94		-0.0162	+0.032	5.53	2	5.56	2	5.61	2	A0		258554		
2190	40 UPS- 2	10 02 41.299	-12 49 17.50		-0.0029	+0.010	4.59	2	4.49	2	4.22	2	B8V		155713	V?	
2191	HW HYA	10 02 58.705	-21 06 41.97		-0.0015	-0.011	8.2	6					M3	6	178386	V	
2192	14 SEX	10 04 10.580	+05 51 21.72		-0.0024	-0.020	6.21	2	7.15	2	7.87	2	GG6		118111		
2193	R VEL	10 04 14.882	-51 56 38.00		-0.0076	+0.013	6.76						GG9		237690	V	
2194	21 LMI	10 04 29.163	+35 29 21.43		+0.0041	+0.001	4.49	2	4.67	2	4.74	2	A7V		61874	V?	
2195	30 ETA	10 04 36.533	+17 00 26.17		-0.0001	-0.006	3.530	1	3.490	1	3.280	1	A0IB		98955		
2196	31 A LEO	10 05 15.131	+10 14 36.35		-0.0055	-0.065	4.37	2	5.82	2	7.57	2	F4III		98964	D	
2197	15 ALP	10 05 22.720	-00 07 35.34		-0.0012	-0.014	4.50	2	4.46	2	4.40	2	A0III		137366		
2198	CM VEL	10 05 41.390	-53 00 54.89		-0.0016	-0.015	7.8	6					MA	6	237711	V	
2199	32 ALP	10 05 42.647	+12 12 44.54		-0.0170	+0.003	1.350	1	1.240	1	0.880	1	B7V		98987	DV?	
2200	16 SEX	10 06 37.709	+06 24 59.86		-0.0009	-0.012	6.83	4					K0	4	118135		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2201	Q	VEL	10 07 02.305	-51 33 55.33	-0.0013	-0.001	4.860	1	4.740	1	3.960	1	B2V	4	237736		
2202	R	AJT	10 07 35.813	-37 29 09.78	-0.0012	-0.038	7.61	4					A0		201114	V	
2203	17	SEX	10 07 38.418	-08 09 42.80	-0.0021	-0.006	5.91	2	5.93	2	5.88	2	A0		137385		
2204		CAR	10 07 46.152	-61 18 14.15	-0.0129	+0.070	5.4						GK5E		250840	V	
2205	41 LAM	HYA	10 08 08.945	-12 06 22.55	-0.0141	-0.095	3.610	1	4.610	1	5.530	1	K0III	6	155785	D	
2206		SEX	10 08 24.188	+02 48 19.22	-0.0005	-0.050	8.9	6					M2		118149	V	
2207	18	SEX	10 08 26.593	-08 10 15.77	-0.0007	-0.049	5.65	2	6.95	2	8.37	2	GK2		137395	V?	
2208	34	LEO	10 08 56.972	+13 36 09.71	+0.0027	-0.040	6.44	2	6.90	2	6.92	2	F6V		98991	V?	
2209		SEX	10 09 50.954	-10 04 25.97	-0.0019	+0.014	8.3	6					MR	6	155810	V	
2210	RT	CAR	10 10 01.684	-57 48 47.32	-0.0030	+0.001	5.70	2	5.62	2			B2IVPNE	7	237776	V	
2211	GY	SEX	10 10 12.247	+04 51 44.96	-0.0036	-0.009	5.77	2	6.95	2	8.06	2	GK0		118164		
2212	19	SEX	10 11 15.122	-07 08 09.60	-0.0129	+0.015	7.32	4					F8	4	137424		
2213	20	CAR	10 11 37.469	-58 58 14.03	-0.0027	+0.005	9.1	7					B8	6	237813	V	
2214	DO	SEX	10 11 38.814	-07 44 40.38	-0.0014	-0.019	7.06	4					K0	4	137430		
2215	21	UMA	10 11 41.697	+60 14 02.67	+0.0018	-0.004	6.25		7.850				M0III		15120	V	
2216		CAR	10 12 05.677	-66 07 28.10	-0.0058	+0.000	5.16	2	5.38	2	5.56	2	A M		250880		
2217	22	LMI	10 12 14.350	+31 43 01.44	-0.0029	-0.006	6.41						GG3		61957		
2218	OME	CAR	10 12 33.047	-69 47 21.35	-0.0062	+0.003	3.320	1	3.240	1	2.920	1	B7IV		250885		
2219	-Q	VEL	10 12 37.998	-41 52 25.23	-0.0134	+0.038	3.850	1	3.900	1	3.980	1	A2V		221895		
2220	23	LMI	10 13 24.248	-29 33 37.31	-0.0057	-0.028	5.30		5.310				A0V		81258		
2221	24	LMI	10 13 38.354	+28 56 00.07	-0.0042	-0.093	6.38						DG0		81259		
2222	35	LEO	10 13 46.346	+23 45 08.39	-0.0149	+0.031	5.87						DG2		81260		
2223	36 ZET	LEO	10 13 54.758	+23 40 01.93	+0.0013	-0.012	3.440	1	3.750	1	3.940	1	F0III		81265		
2224	37	LEO	10 13 59.806	+13 58 42.16	-0.0015	-0.020	5.51						GM1		99034		
2225	33 LAM	UMA	10 14 05.353	+43 09 53.53	-0.0151	-0.043	3.450	1	3.480	1	3.540	1	A2IV		43268		
2226	32	UMA	10 14 25.657	+65 21 31.57	-0.0138	-0.012	5.67						A3		15135		
2227	39	LEO	10 14 29.721	+23 21 27.73	-0.0296	-0.105	5.82	2	6.32	2	6.27	2	DF3		81270		
2228	22 EPS	SEX	10 15 08.659	-07 49 06.78	-0.0110	-0.001	5.24	2	5.55	2	5.69	2	F1III		137469		
2229	-Q	CAR	10 15 24.581	-61 04 55.08	-0.0037	+0.003	3.380	1	4.930	1	6.630	1	K5IB		250905	V	
2230	WZ	VEL	10 15 31.820	-47 41 48.69	-0.0022	-0.002	9.0	6					MR	6	221936	V	
2231	TU	VEL	10 16 30.820	-44 59 29.30	-0.0054	+0.012	9.3	6					G0	6	221949	V	
2232	AD	LEO	10 16 53.900	+20 07 19.18	-0.0346	-0.049	10.0	6					M4E	6	81292	V	
2233	40	LEO	10 17 01.010	+19 43 31.21	-0.0165	-0.220	4.80	2	5.25	2	5.26	2	F6IV		99065	V?	
2234	41 GAM- 1	LEO	10 17 13.120	+20 05 42.86	+0.0218	-0.151	2.293	1	3.443	1	4.443	1	K0III		81298		
2235	41 GAM- 2	LEO	10 17 13.401	+20 05 39.68	+0.0222	-0.173	3.483	1	4.633	1	5.633	1	G7III		81299	D	
2236	HP	CAR	10 17 46.531	-57 09 12.70	-0.0005	-0.013	8.5	7					B2	6	237917	V	
2237	VY	HYA	10 17 54.667	-22 53 58.72	-0.0049	+0.041	8.9	6					A3	6	178701	V	
2238	23	SEX	10 18 27.090	+02 32 30.78	-0.0006	-0.007	6.65	2	6.57	2	5.90	2	B3		118248	V	
2239	RY	VEL	10 18 48.110	-55 04 08.79	+0.0007	+0.011	7.89	7	8.97	7			K2	6	237949	V	
2240	I- 1	VEL	10 19 02.930	-55 47 26.91	-0.0019	+0.001	4.505	1	4.375	1	3.805	1	B3IV		237959	D	
2241	I- 2	VEL	10 19 03.646	-55 47 27.78	-0.0041	+0.009	8.7	4							237960	D	
2242	42	LEO	10 19 09.063	+15 13 42.20	-0.0024	-0.020	6.08		6.090				A1V		99080	V?	
2243	34 MU	UMA	10 19 21.469	+41 45 06.25	-0.0074	+0.030	3.050	1	4.640	1	6.530	1	M0III		43310	V?	
2244	-R	VEL	10 20 10.666	-41 23 52.28	-0.0026	+0.051	4.83	2	5.95	2	7.04	2	K1III		221998	V?	
2245	27	LMI	10 20 13.866	+34 09 40.67	-0.0010	-0.011	5.69						A3		62010		
2246	43	LEO	10 20 23.494	+06 47 49.72	-0.0013	-0.104	6.07	2	7.19	2	8.32	2	GK3		118269		
2247	RV	LEO	10 20 39.386	+30 06 09.43	-0.0008	-0.010	8.5	6							62013	V	
2248	24	SEX	10 20 54.745	-00 38 54.22	+0.0038	-0.044	6.62	4					G5	4	137532		
2249	25	SEX	10 20 54.805	-03 49 14.54	-0.0035	-0.000	5.97	2	5.87	2	5.70	2	A P		137533		
2250	HR	CAR	10 21 07.259	-59 22 17.38	+0.0002	-0.032	6.6	6					-	6	238005	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2251	28	LMI	10 21 16.440	+33 58 19.89	-0.0016	-0.008	5.56						GK1		62019		
2252	L	CAR	10 21 29.054	-66 38 53.57	-0.0040	-0.001	4.99	2	4.86	2	4.35	2	B8		250940		
2253	HS	HYA	10 22 12.430	-18 50 18.55	-0.0032	-0.041	8.3	6					F5	6	155964	V	
2254	44	DE	10 22 37.140	+09 02 22.81	+0.0007	-0.041	5.61	2	7.23	2	9.19	2	GM3		118286	V	
2255	CK	CAR	10 22 39.043	-59 56 15.93	-0.0019	-0.031	7.0	6					MB	6	238038	V	
2256	29	LMI	10 22 52.234	+35 40 50.05	-0.0090	-0.068	6.57	4					K0	4	62037		
2257	30	LMI	10 23 03.201	+34 03 05.10	-0.0057	-0.066	4.74	2	4.99	2	5.17	2	F0V		62034		
2258	I	CAR	10 23 24.484	-73 46 36.88	-0.0044	-0.031	4.000	1	4.350	1	4.340	1	F3IV-V		256710	V?	
2259	RX	SEX	10 23 33.540	+04 11 13.33	-0.0000	-0.021	6.62	4					A3	7	118299	V	
2260	42	MU	10 23 40.213	-16 34 49.56	-0.0092	-0.083	3.790	1	5.270	1	7.090	1	K4III		155980		
2261	26	SEX	10 24 03.728	-00 43 59.76	-0.0034	-0.000	6.78	4					K0	4	137565		
2262	27	SEX	10 24 15.245	-04 07 59.64	-0.0033	-0.003	6.60	4					K0	4	137567		
2263	ALP	ANT	10 24 51.646	-30 48 45.30	-0.0059	+0.009	4.25	2	5.70	2	7.33	2	MOIII		201405	V?	
2264	31	BET	10 24 59.888	+36 57 50.87	-0.0100	-0.105	4.21	2	5.11	2	5.76	2	G4III-IV		62053	D	
2265	45	CX	10 25 00.576	+10 01 04.88	+0.0004	-0.002	6.03		5.970				A P		99136	DV	
2266	UW	CAR	10 25 02.305	-59 24 51.54	-0.0063	-0.010	9.2	6	9.980	7			G0	6	238071	V	
2267	P	CAR	10 25 32.427	-57 22 59.78	-0.0015	-0.002	4.65	2	5.16	2	5.17	2	F0IA		238077	V?	
2268	-S	CAR	10 26 02.328	-58 29 01.15	-0.0018	-0.006	3.820	1	4.130	1	4.360	1	F0III		238085	V?	
2269	35	UMA	10 26 22.714	+65 52 58.36	-0.0001	-0.035	6.26						GK2		15196		
2270	ZZ	UMA	10 26 40.511	+62 04 03.93	+0.0013	-0.018	9.2	6							15198	V	
2271	29	DEL	10 26 56.300	-02 28 57.21	-0.0034	-0.018	5.21	2	5.15	2	5.03	2	B9		137600		
2272	32	LMI	10 27 11.723	+39 10 54.43	-0.0016	-0.007	5.87		5.940				A4III		62076		
2273	DEL	ANT	10 27 17.057	-30 21 02.35	-0.0028	-0.004	5.56	2	5.52	2			B9		201442	DV?	
2274	36	UMA	10 27 26.446	+56 14 15.64	-0.0214	-0.035	4.84	2	5.36	2	5.35	2	F8V		27670		
2275	30	BET	10 27 44.099	-00 22 47.84	-0.0028	-0.026	5.10	2	4.96	2	4.43	2	B6V		137608		
2276	31	SEX	10 27 56.023	+02 24 26.75	+0.0041	-0.047	7.12	4					K0	4	118341		
2277	X	OCT	10 28 01.229	-84 05 32.54	-0.0157	+0.029	8.6	4					M3E	4	258577	V	
2278	33	-H	10 29 01.329	+32 38 12.37	+0.0011	+0.001	5.85		5.930				A0IV		62101	D	
2279	K	CAR	10 29 04.382	-71 44 06.98	+0.0043	-0.034	4.735	1	5.085	1	4.840	1	A2M		256722		
2280	46	LEO	10 29 31.730	+14 23 40.08	-0.0028	+0.018	5.54						GM2		99172	V?	
2281	32	SEX	10 29 42.662	+04 54 09.04	-0.0009	+0.027	7.21	4					K0	4	118354		
2282	-S- 1	VEL	10 29 48.165	-44 48 42.95	-0.0017	+0.003	6.101	2	5.951	2			B8		222125	D	161
2283	-S- 2	VEL	10 29 49.063	-44 48 32.64	-0.0005	-0.005	5.752	2	5.602	2			B8		222126	D	162
2284	47	RHO	10 30 10.762	+09 33 52.22	-0.0006	-0.006	3.850	1	3.710	1	2.760	1	B1IB		118355	V?	
2285	-P	CAR	10 30 14.487	-61 25 39.68	-0.0028	+0.006	3.350	1	3.250	1	2.540	1	B5VE		251006	V	
2286	34	LMI	10 30 39.694	+35 14 48.44	-0.0025	-0.011	5.53		5.550				A2V		62121		
2287	-T	VEL	10 30 50.030	-46 44 43.18	-0.0014	+0.000	5.02	2	6.06	2			K4III		222136	D	
2288	Y	CAR	10 31 17.716	-58 14 25.44	+0.0011	-0.005	7.94	7	8.340	7			F5	6	238178	V	
2289	44	HYA	10 31 38.019	-23 29 12.97	-0.0009	+0.017	5.08	2	6.68	2			K4III		178979	D	
2290	37	UMA	10 31 57.350	+57 20 27.14	+0.0081	+0.035	5.16	2	5.50	2	5.48	2	F1V		27695		
2291	48	LEO	10 32 11.541	+07 12 42.41	-0.0072	+0.057	5.08	2	6.01	2	6.65	2	G8II-III		118376		
2292	49	TX	10 32 24.801	+08 54 33.43	-0.0038	-0.010	5.67	2	5.72	2	5.77	2	A2		118380	DV	
2293	QS	CAR	10 32 55.817	-70 54 24.15	-0.0189	-0.002	8.9	6					G	7	266729	V	
2294	U	ANT	10 32 59.355	-39 18 12.87	-0.0028	-0.005	5.38	2	8.26	2			NB		201533	V	
2295	35	LMI	10 33 29.616	+36 35 12.12	+0.0029	-0.042	6.15						DF3		62147		
2296	-R	CAR	10 33 39.731	-57 17 53.77	-0.0027	-0.003	4.45	2	6.07	2	7.86	2	GK3		238222		
2297	PHI- 2	HYA	10 33 50.062	-16 05 05.81	-0.0021	-0.006	6.04	2	7.68	2			GM1		156093	D	
2298	HX	HYA	10 34 44.502	-23 37 59.16	-0.0007	-0.032	8.0	6					M3	6	179035	V	
2299	GAM	CHA	10 34 53.647	-78 20 53.72	-0.0130	+0.016	4.110	1	5.690	1	7.630	1	MOIII		256731		
2300	36	LMI	10 35 02.369	+34 20 19.20	-0.0019	+0.004	6.65	4					K0	4	62167		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2301	U	HYA	10 35 04.966	-13 07 26.18		+0.0020	-0.037	4.82	2	7.51	2	13.29	2	C7-3	156110	V	
2302	-P	VEL	10 35 11.696	-47 57 55.69		-0.0158	-0.020	3.840	1	4.140	1	4.210	1	F2+A3	222199	D	
2303	GM	CAR	10 35 21.841	-58 58 47.08		-0.0025	-0.013	9.0	7					B9	238265	V	
2304	UV	LEO	10 35 40.995	+14 31 39.52		+0.0001	+0.005	8.8	6					G5	99222	V	
2305	37	LMI	10 35 54.672	+32 14 11.49		+0.0001	+0.002	4.72	2	5.53	2	6.08	2	G2II	62173		
2306	PHI- 1	HYA	10 36 08.640	-16 36 59.36		-0.0073	+0.021	4.91	2	5.83	2			K0III	156122		
2307	50	LEO	10 36 13.740	+16 23 17.91		+0.0038	-0.024	6.62	4					F2	99229		
2308	38	LMI	10 36 16.452	+38 10 16.80		-0.0187	-0.044	5.72						DF8	62178		
2309	-T- 2A	CAR	10 36 50.545	-58 55 20.21		-0.0013	-0.002	4.676	2	6.156	2	7.126	2	CK	238295	DV?	33
2310	-T- 2B	CAR	10 36 51.229	-58 55 06.55		-0.0004	-0.008	9.247	2	10.727	2	11.697	2	A	238297	D	34
2311	-T- 1A	CAR	10 37 04.718	-58 33 22.51		-0.0108	+0.009	5.935	2	7.375	2			GM1	238304	D	31
2312	-T- 1B	CAR	10 37 07.655	-58 33 17.39		-0.0018	-0.004	8.959	2	10.399	2			B	238305	D	32
2313	-X- 1	VEL	10 37 18.653	-55 20 32.70		-0.0027	-0.001	4.28	2	5.32	2	6.07	2	G2II	238309	D	
2314	-X- 2	VEL	10 37 24.541	-55 20 46.23		-0.0027	+0.002	6.62	4					B8	238313	D	
2315	39	LMI	10 37 35.267	+27 47 11.08		+0.0004	-0.008	6.93	4					A2	81463		
2316	UZ	LEO	10 37 53.923	+13 49 41.12		-0.0009	-0.037	9.3	6						99244	V	
2317	38	UMA	10 38 33.383	+65 58 44.21		-0.0268	-0.076	5.01						K2III	15261	V?	
2318	WY	UMA	10 38 50.605	+51 53 41.64		-0.0001	-0.002	9.4	6					M3	27736	V	
2319	33	SEX	10 38 51.535	-01 28 41.50		-0.0093	-0.125	6.26	2	7.14	2	7.73	2	K1IV	137728		
2320	RX	LMI	10 39 23.503	+31 57 32.92		+0.0006	-0.026	6.16		7.77	7	9.54	7	M4IIIA	62206	V	
2321	34	SEX	10 40 02.568	+03 50 41.39		-0.0059	+0.019	6.63	4					F5	118443		
2322	40	LMI	10 40 17.337	+26 35 19.14		-0.0078	-0.067	5.43		5.600				A5V	81485	D	
2323	39	UMA	10 40 34.778	+57 27 44.40		+0.0019	-0.057	5.78		5.760				B9	27748		
2324	41	LMI	10 40 42.018	+23 27 02.52		-0.0085	+0.004	5.01		5.050				A2V	81490		
2325	35	SEX	10 40 45.197	+05 00 38.21		+0.0013	-0.034	5.79	2	6.96	2	8.05	2	K3III	118449	D	
2326	R	UMA	10 41 07.899	+69 02 19.49		-0.0083	-0.026	5.9	4					M4E	15273	V	
2327	THE	CAR	10 41 10.052	-64 07 55.35		-0.0032	+0.008	2.760	1	2.540	1	1.540	1	O9.5V	251093		
2328	VY	UMA	10 41 37.141	+67 40 27.25		+0.0007	-0.004	6.00	2	8.41	2	13.18	2	C6-3	15274	V	
2329	-W	CAR	10 41 37.657	-60 18 14.13		-0.0040	+0.003	4.57	2	6.28	2	8.15	2	CK	251090	V?	
2330	TX	UMA	10 42 24.445	+45 49 45.74		+0.0014	+0.001	6.87	4					B8	43460	V	
2331	RZ	CHA	10 42 26.855	-81 46 25.97		-0.0056	-0.048	8.3	6					F5	258590	V	
2332	OZ	CAR	10 42 27.048	-59 43 49.18		-0.0006	+0.001	6.64	4	6.79	7			O9.5IB:	238414	DV	
2333	VY	CAR	10 42 33.272	-57 18 08.35		-0.0004	-0.004	7.71	7	8.510	7			G5	238416	V	
2334	36	SEX	10 42 34.852	+02 45 05.11		-0.0036	-0.027	6.28	2	7.49	2	8.77	2	GK4	118473		
2335	RT	CAR	10 42 50.212	-59 09 00.60		-0.0022	-0.017	10.0	6						238424	V	
2336	42	LMI	10 43 05.340	+30 56 46.23		-0.0019	-0.042	5.30		5.250				B9V	62236		
2337	ETA	CAR	10 43 06.902	-59 25 15.86		-0.0003	+0.006	6.220	1	6.840	1	6.380	1	PEC	238429	DV	
2338	41	UMA	10 43 15.233	+57 37 48.38		-0.0064	-0.068	6.34	2	7.90	2	9.80	2	M1III	27760		
2339	37	SEX	10 43 29.494	+06 38 13.93		-0.0008	-0.040	6.37	2	7.49	2	8.60	2	GK1	118483		15n
2340	Z	ANT	10 43 40.327	-34 59 16.97		-0.0011	-0.060	9.7	6						201722	V	
2341	51	LEO	10 43 43.048	+19 09 20.39		+0.0068	-0.043	5.45						GK3	99281		
2342	52	LEO	10 43 46.476	+14 27 33.03		-0.0067	-0.069	5.47						GG4	99282		
2343	BO	CAR	10 43 53.190	-59 13 30.92		-0.0033	-0.014	7.8	6					M0	238447	V	
2344	AC	VEL	10 44 17.265	-56 33 56.09		+0.0004	+0.012	8.5	7					B8	238458	V	
2345	-B- 1	HYA	10 44 24.918	-17 01 57.59		-0.0017	-0.018	5.56						A3M	156221		
2346	MU	VEL	10 44 36.818	-49 09 19.66		+0.0072	-0.050	2.690	1	3.590	1	4.160	1	G5III	222321	D	
2347	38	SEX	10 44 43.167	+06 36 38.26		-0.0033	-0.027	7.01	4					A2	118493		151
2348	DEL- 1	CHA	10 44 48.860	-80 12 19.79		-0.0133	-0.034	5.47	2	6.42	2	7.16	2	GG8	258592	D	
2349	-Z- 2	VEL	10 44 56.117	-56 29 35.34		-0.0019	-0.005	5.26	2	5.18	2			B8	238468		
2350	DEL- 2	CHA	10 45 20.164	-80 16 34.91		-0.0211	+0.004	4.450	1	4.265	1	3.565	1	B3V	258593		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2351	43 LMI	10 46 11.985	+29 40 51.91		-0.0066	-0.046	6.16						GK1		81533		
2352	39 SEX	10 46 27.477	-08 50 06.04		-0.0005	-0.028	7.18	4					K0	4	137805		
2353	53 -L LEO	10 46 37.797	+10 48 37.01		-0.0004	-0.028	5.28		5.290				A2V		99305		
2354	40 SEX	10 46 45.107	-03 45 33.12		-0.0035	-0.016	6.61	2	6.83	2	6.91	2	A2		137808	D	
2355	44 LMI	10 47 09.082	+28 14 18.50		-0.0004	+0.028	6.04						DA8		81542		
2356	NU HYA	10 47 09.331	-15 55 53.45		+0.0062	+0.196	3.110	1	4.350	1	5.620	1	K3III		156256		
2357	41 SEX	10 47 47.457	-08 37 56.58		-0.0006	-0.018	5.79	2	5.95	2	6.08	2	A2M		137823	D	
2358	43 UMA	10 48 06.954	+56 50 50.90		-0.0073	-0.001	5.61						GK1		27701		
2359	42 UMA	10 48 16.051	+59 35 09.85		-0.0041	-0.057	5.52						GK2		27703		
2360	IX CAR	10 48 27.507	-59 43 02.01		-0.0007	-0.014	7.4	6					M0	6	238523	V	
2361	-B- 2 HYA	10 48 36.988	-18 04 00.59		-0.0036	+0.004	6.55	4					A0	4	156271		
2362	V HYA	10 49 11.303	-20 59 04.92		+0.0004	-0.025	6.0	4					N	4	179278	V	
2363	AA VEL	10 49 13.366	-56 08 41.96		-0.0014	-0.040	10.1	7					B5	6	238531	V	
2364	46 OMI LMI	10 50 31.231	+34 29 05.62		+0.0069	-0.283	3.830	1	4.870	1	5.790	1	K0III-IV		62297		
2365	44 UMA	10 50 33.486	+54 51 05.10		-0.0082	-0.013	5.20						K3III		27815		
2366	-B- 3 HYA	10 51 02.570	-19 52 08.84		+0.0053	-0.244	5.24	2	5.70	2	5.76	2	F6V		156301	DV?	
2367	45 OME UMA	10 51 06.507	+43 27 23.96		+0.0041	-0.028	4.71	2	4.66	2	4.60	2	A1V		43512		
2368	-P- 1 LEO	10 51 10.905	-01 51 46.93		-0.0058	+0.009	5.45	2	6.41	2	7.18	2	G66		137871		
2369	-U CAR	10 51 27.397	-58 35 14.24		+0.0088	+0.027	3.780	1	4.430	1	5.380	1	K0III-IV		238574	V?	
2370	48 LMI	10 51 59.434	+25 45 26.67		-0.0040	-0.001	6.09						A M		81576		
2371	BZ CAR	10 52 08.613	-61 46 33.66		-0.0015	-0.021	9.0	4					K5	4	251169	V	
2372	47 LMI	10 52 11.690	+34 18 07.64		-0.0049	-0.054	5.72						G67		62310		88
2373	54 A LEO	10 52 54.559	+25 01 00.80		-0.0053	-0.016	4.511	2	4.531	2	4.541	2	A1V		81583	D	81
2374	54 3 LEO	10 52 55.016	+25 00 58.11		-0.0054	-0.030	6.301	2	6.321	2	6.331	2	A1N		81584	D	82
2375	46 UMA	10 52 58.514	+33 46 27.52		-0.0088	-0.032	5.07						K1III		62314		
2376	55 LEO	10 53 08.048	+01 00 14.31		+0.0069	-0.004	5.91	2	6.33	2	6.31	2	DF3		118574	D	
2377	T CAR	10 53 16.980	-60 15 03.74		-0.0045	-0.081	5.92	2	7.00	2			GK0		251178	V	
2378	56 VY LEO	10 53 25.721	+06 27 09.31		-0.0016	-0.012	5.81	2	7.26	2	8.26	2	M5III		118576	V	
2379	57 LEO	10 53 36.604	+00 42 00.53		-0.0009	-0.005	6.86	4					K0	4	118577		
2380	50 LMI	10 53 51.827	+25 46 03.09		-0.0018	-0.019	6.22						K0		81591		
2381	GG CAR	10 53 58.015	-60 07 30.73		-0.0006	-0.003	9.1	7					PEC	6	251181	V	
2382	AG CAR	10 54 10.612	-60 11 10.82		-0.0002	-0.016	6.5	4					PEC	4	251185	V	
2383	IOT ANT	10 54 22.976	-36 52 06.90		+0.0064	-0.133	4.60	2	5.63	2	6.47	2	G5III		201927		
2384	VW UMA	10 55 37.999	+70 15 25.50		+0.0057	-0.021	7.37	5					M2	7	7250	V	
2385	U CAR	10 55 45.601	-59 27 50.85		+0.0012	+0.013	6.10						G0		238635	V	
2386	47 UMA	10 56 40.348	+40 41 51.77		-0.0281	+0.051	5.05	2	5.66	2	5.70	2	G0V		43557		
2387	7 ALP CRT	10 57 20.138	-18 01 55.62		-0.0326	+0.124	4.07	2	5.16	2	6.14	2	K0III		156375		
2388	-I VEL	10 57 51.272	-41 57 26.45		+0.0019	-0.002	4.39	2	4.50	2	4.62	2	A2IV		222487		
2389	58 -D LEO	10 57 58.703	+03 53 10.88		+0.0008	-0.020	4.84	2	6.00	2	7.12	2	K1III		118610		
2390	49 UMA	10 58 02.642	+39 28 51.78		-0.0064	-0.024	5.08	2	5.32	2	5.49	2	F0M		62354		
2391	R CRT	10 58 06.012	-18 03 21.78		-0.0011	+0.005	9.8	4					MC	4	156389	DV	
2392	59 -C LEO	10 58 09.323	+06 22 13.55		-0.0034	-0.029	4.99	2	5.15	2	5.26	2	A2		118615	D	
2393	48 BET UMA	10 58 50.251	+56 39 03.11		+0.0098	+0.029	2.370	1	2.350	1	2.350	1	A1V		27876	V?	
2394	61 -P- 2 LEO	10 59 16.600	-02 12 53.94		+0.0009	-0.038	4.75	2	6.37	2	8.29	2	K5III		17947		
2395	AM LEO	10 59 34.180	+10 09 53.20		+0.0006	-0.043	9.1	6					F8	6	99413	V	
2396	60 -B LEO	10 59 39.756	+20 26 54.17		-0.0008	+0.032	4.42	2	4.47	2	4.52	2	A M		81637		
2397	ETA OCT	10 59 42.379	-84 19 29.69		-0.0443	-0.007	6.19	2	6.30	2	6.42	2	A0		258600		
2398	50 ALP UMA	11 00 39.570	+62 01 16.80		-0.0168	-0.071	1.790	1	2.860	1	3.780	1	K0II-III		15384	DV?	
2399	62 -P- 3 LEO	11 01 03.021	+00 16 07.46		-0.0040	-0.003	5.95	2	7.17	2	8.49	2	GK3		118634		
2400	SX LEO	11 01 05.328	-02 56 05.22		-0.0002	-0.016	9.0	6					MC	6	137968	V	

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2401	51 UMA	11 01 44.751	+38 30 40.27		-0.0064	-0.001	5.98	2	6.140	2	5.04	2	A3V		62397	D	
2402	63 CHI LEO	11 02 26.300	+07 36 24.10		-0.0230	-0.050	4.63	2	4.96	2			F2III-IV		118648	DV?	
2403	AP LEO	11 02 29.417	+05 25 21.53		+0.0036	-0.068	8.5	6					G0	6	118649	V	
2404	51 LMI	11 02 35.538	+25 28 21.80		-0.0296	-0.072	7.49	4					G0	4	81657		
2405	CHI- 1 HYA	11 02 55.152	-27 01 23.86		-0.0142	-0.005	4.94	2	5.30	2	5.34	2	F4V		179514	D	
2406	RW CRT	11 03 27.165	-08 53 03.30		-0.0005	-0.026	8.5	6					MB	6	17985	V	
2407	CHI- 2 HYA	11 03 31.863	-27 01 02.11		+0.0024	-0.018	5.71	2	5.65	2	5.39	2	B9		179522	V	
2408	65 -P- 4 LEO	11 04 21.165	+02 13 38.29		-0.0256	-0.089	5.52	2	6.48	2	7.14	2	GG7		118668	D	
2409	52 LMI	11 04 23.754	+25 48 28.47		-0.0049	-0.021	6.73	4					F5	4	81674		89
2410	-Z- 1 CAR	11 04 28.908	-62 09 12.83		-0.0056	+0.009	4.61	2	5.64	2	6.45	2	GG5		251269		
2411	64 LEO	11 04 59.281	+23 35 39.69		-0.0010	+0.004	6.30		6.470				A M		81691		
2412	67 LEO	11 06 08.300	+24 55 46.21		+0.0003	+0.001	5.64		5.700				A3III		81692	D	
2413	-X CAR	11 06 26.766	-58 42 13.82		-0.0009	-0.002	3.910	1	5.150	1	6.090	1	G0IA-0		238813		
2414	-Z- 2 CAR	11 06 28.544	-61 40 33.27		-0.0031	+0.007	5.13	2	5.36	2			B9IA		251286		
2415	66 LEO	11 06 40.428	-01 03 43.01		-0.0047	-0.009	6.75	4					A2	4	138015		
2416	52 PSI UMA	11 06 51.583	+44 46 12.60		-0.0064	-0.032	3.010	1	4.150	1	5.270	1	K1III		43629		
2417	ER CAR	11 07 32.017	-58 33 59.52		+0.0001	-0.017	7.72	4	8.400	7			F8	4	238825	V	
2418	11 BET CRT	11 09 11.730	-22 33 08.99		+0.0000	-0.102	4.48	2	4.51	2	4.56	2	A2IV		179624		
2419	V 434 CEN	11 09 40.276	-35 53 28.90		-0.0060	-0.044	8.9	6					K5	6	202194	V	
2420	EM CAR	11 09 56.419	-60 49 23.02		+0.0011	+0.001	8.7	7					B3	6	251312	V	
2421	PSI CRT	11 10 01.385	-18 13 38.86		-0.0016	-0.035	6.13	2	6.12	2			A0		156528	D	
2422	IT CAR	11 10 02.657	-61 28 57.45		+0.0004	-0.007	8.84	7	9.720	7			K2	6	251314	V	
2423	-Y CAR	11 10 26.815	-60 02 43.18		-0.0005	-0.000	4.60	2	5.15	2	5.20	2	F0IA		251316	D	
2424	TT HYA	11 10 45.669	-26 11 34.84		-0.0021	+0.003	7.16	4					A2	4	179648	V	
2425	69 -P- 5 LEO	11 11 11.950	+00 12 09.95		-0.0031	-0.006	5.42	2	5.39	2	5.34	2	A0		118731		
2426	68 DEL LEO	11 11 27.085	+20 47 52.67		+0.0102	-0.135	2.560	1	2.680	1	2.790	1	A4V		81727	V?	
2427	70 THE LEO	11 11 37.066	+15 42 11.38		-0.0042	-0.083	3.350	1	3.330	1	3.410	1	A2V		99512		
2428	GI CAR	11 11 48.017	-57 38 18.09		-0.0016	-0.016	8.77	7	9.380	7			F8	6	238884	V	
2429	HY HYA	11 12 10.279	-25 48 07.64		+0.0029	-0.014	7.53	4					MB	6	179679	V	
2430	72 LEO	11 12 32.837	+23 22 05.98		-0.0016	-0.010	4.63	2	6.29	2	8.14	2	M3III		81736	V?	
2431	73 -N LEO	11 13 15.007	+13 34 50.27		-0.0005	-0.013	5.34						K3III		99525		
2432	74 PHI LEO	11 14 07.105	-03 22 40.76		-0.0075	-0.041	4.47	2	4.68	2	4.83	2	A7III-IV		138102	D	
2433	75 LEO	11 14 42.984	+02 17 08.63		+0.0035	-0.148	5.18	2	6.70	2	8.54	2	M0III		118764		
2434	RX CRT	11 15 18.465	-21 52 19.22		-0.0019	-0.028	7.76	5					M3	6	179746	V	
2435	53 XI UMA	11 15 31.162	+31 48 38.88	C	-0.0339	-0.591	3.790	1	4.380	1	4.430	1	G0V+G0V		62484	D	
2436	54 NU UMA	11 15 46.947	+33 22 02.56		-0.0022	+0.023	3.490	1	4.890	1			K3III		62486	D	
2437	76 LEO	11 16 20.950	+01 55 29.43		-0.0027	-0.059	5.91	2	6.95	2	7.82	2	GK0		118778		
2438	55 UMA	11 16 24.722	+38 27 36.38		-0.0049	-0.074	4.79	2	4.91	2	4.94	2	A2V		62491		
2439	RV CRT	11 16 45.425	-19 33 17.92		-0.0042	-0.005	9.2	6					F8	6	156604	V	
2440	12 DEL CRT	11 16 50.293	-14 30 27.65		-0.0088	+0.201	3.560	1	4.670	1	5.660	1	G8III-IV		156605		
2441	BK HYA	11 17 37.727	-34 58 56.73		-0.0017	+0.008	9.2	6					K5	6	202329	V	
2442	77 SIG LEO	11 18 33.490	+06 18 13.06		-0.0064	-0.015	4.050	1	3.990	1	3.860	1	B9V		118804		
2443	PI CEN	11 18 43.151	-54 13 00.27		-0.0035	-0.006	3.890	1	3.735	1	3.145	1	B5VN		238986	D	
2444	71 LEO	11 19 52.037	+17 42 41.85		-0.0083	-0.020	7.04	4					K0	4	99577		
2445	56 UMA	11 20 05.352	+43 45 26.32		-0.0033	-0.013	5.00	2	5.98	2	6.78	2	G8II		43719		
2446	13 LAM CRT	11 20 52.949	-18 30 18.07		-0.0222	-0.039	5.09	2	5.51	2	5.45	2	F5IV		156646		
2447	78 IOT LEO	11 21 19.130	+10 48 17.56		+0.0113	-0.079	3.940	1	4.350	1	4.420	1	F2IV		99587	DV?	
2448	T CRT	11 21 23.215	-19 37 59.93		+0.0002	-0.017	8.6	6					M4	6	156650		
2449	79 LEO	11 21 28.316	+01 40 57.05		-0.0015	+0.001	5.39	2	6.33	2	6.99	2	GG7		118831		
2450	14 EPS CRT	11 22 04.913	-10 35 05.39		-0.0022	+0.021	4.83	2	6.39	2			K5III		156658		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2451	V 685 CEN	11 22 09.703	-57 27 10.70		-0.0002	+0.005	8.7	6					A0	6	239043	V	
2452	15 GAM CRT	11 22 22.850	-17 24 32.96		-0.0072	-0.001	4.08	2	4.29	2	4.39	2	A7IV		156661	D	
2453	81 LEO	11 23 00.011	+16 43 53.78		-0.0102	-0.012	5.61						DF2		99601		
2454	82 LEO	11 23 05.207	+03 34 36.07		-0.0021	-0.055	6.70	4					A2	4	118847		
2455	80 LEO	11 23 15.828	+04 08 08.22		-0.0055	-0.045	6.37	2	6.70	2	6.75	2	ABM		118851		
2456	HZ HYA	11 23 51.776	-25 28 48.20		+0.0002	-0.023	8.0	6					M3	6	179882	V	
2457	83 A LEO	11 24 13.447	+03 17 08.98		-0.0483	+0.177	6.16	2	7.01	2	7.63	2	DK0		113864	D	
2458	83 B LEO	11 24 14.428	+03 16 43.06		-0.0484	+0.169	7.9	4					K0	4	118865	D	
2459	16 KAP CRT	11 24 38.231	-12 04 54.43		-0.0072	+0.015	5.94	2	6.43	2			DF4		156685	D	
2460	V 742 CEN	11 25 02.654	-41 14 19.85		+0.0001	-0.015	9.0	6					B9	6	222805	V	
2461	ST UMA	11 25 06.887	+45 27 37.65		+0.0003	-0.051	6.5	4					MB	4	43748	V	
2462	84 TAU LEO	11 25 21.928	+03 07 54.52		+0.0011	-0.017	4.95	2	5.95	2	6.75	2	G8II-III		118875		
2463	MN CEN	11 25 46.872	-61 08 08.31		-0.0008	+0.003	8.6	7					B8	6	251415	V	
2464	57 UMA	11 26 22.902	+39 36 44.41		-0.0045	+0.011	5.24		5.240				A1V		62572	D	
2465	85 LEO	11 27 05.648	+15 41 22.82		-0.0020	-0.050	5.82						GK4		99629		
2466	TU UMA	11 27 09.657	+30 20 37.68		-0.0067	-0.058	8.7	6	8.84	7			F0	6	62579	V	
2467	AW UMA	11 27 25.569	+30 14 35.18		-0.0077	-0.203	6.8	6								DV	
2468	87 -E LEO	11 27 45.521	-02 43 38.71		+0.0011	-0.020	4.77	2	6.31	2	8.13	2	K4III		138238		
2469	58 UMA	11 27 49.156	+43 26 52.41		-0.0049	+0.078	5.79						DF5		43787		
2470	86 LEO	11 27 52.569	+18 41 06.97		-0.0060	+0.012	5.58						GK0		99637		
2471	1 LAM DRA	11 28 27.546	+69 36 26.09		-0.0074	-0.020	3.850	1	5.470	1	7.440	1	M0III		15532	V?	
2472	V 419 CEN	11 28 34.171	-56 37 22.09		-0.0008	+0.013	8.65	7	9.340	7			K0	6	239133	V	
2473	CZ LEO	11 28 46.891	-04 01 25.39		-0.0005	-0.008	8.9	6					M5	7	138245	V	
2474	TU MUS	11 28 56.052	-65 27 59.47		-0.0066	-0.021	8.7	5					B3+B3	7	251436	V	
2475	RR CRT	11 29 09.355	-12 06 19.93		-0.0036	-0.019	9.3	6					M5	6	156732	V	
2476	88 LEO	11 29 10.091	+14 38 35.50		-0.0228	-0.194	6.00						DF7		99648	D	
2477	OMI- 1 CEN	11 29 26.836	-59 09 57.55		-0.0003	-0.009	5.13	2	6.21	2	6.98	2	G0IA		239145	DV	
2478	OMI- 2 CEN	11 29 29.486	-59 14 22.23		-0.0023	-0.002	5.14	2	5.63	2	5.52	2	A2IA		239146		
2479	N- 1 HYA	11 29 47.083	-28 59 20.98		-0.0012	+0.134	5.86						DF7		179967	D	
2480	N- 2 HYA	11 29 47.397	-28 59 12.71		-0.0023	+0.141	5.78						DF6		179968	D	
2481	SU CRT	11 30 19.397	-11 45 25.28		+0.0024	-0.160	8.8	6	9.10				F2V	7	156747	V	
2482	XI HYA	11 30 32.264	-31 34 50.66		-0.0162	-0.042	3.540	1	4.470	1	5.170	1	G7III		202558	D	
2483	89 LEO	11 31 48.370	+03 20 16.99		-0.0123	-0.107	5.77	2	6.23	2	6.24	2	DF5		118929		
2484	90 LEO	11 32 06.403	+17 04 24.58		-0.0008	-0.002	5.95	2	5.79	2	5.14	2	B3V		99673	D	
2485	A CEN	11 32 22.851	-53 59 15.82		-0.0067	+0.015	4.620	1	4.545	1	4.345	1	B9V		239189		
2486	C- 1 CEN	11 32 48.107	-47 05 44.65		-0.0090	-0.007	5.71	2	7.37	2			M3III		222887	DV	
2487	2 DRA	11 33 08.295	+69 36 04.56		+0.0209	-0.130	5.13						K0III		15567		
2488	SS CRT	11 33 13.351	-17 39 02.16		+0.0007	-0.013	8.8	6					M3	6	156775	V	
2489	LAM CEN	11 33 27.827	-62 44 34.60		-0.0057	-0.008	3.130	1	3.090	1	2.910	1	B9II		251472	D	
2490	C- 2 CEN	11 33 29.689	-47 21 51.21		+0.0030	-0.054	5.25	2	5.50	2	5.62	2	F2		222895		
2491	BF CEN	11 33 56.631	-61 11 24.29		-0.0012	+0.016	8.5	7					B8	6	251477	V	
2492	21 THE CRT	11 34 08.577	-09 31 32.04		-0.0045	+0.003	4.70	2	4.62	2	4.46	2	B9V		138296		
2493	91 UPS LEO	11 34 23.255	-00 32 51.17		+0.0001	+0.038	4.30	2	5.31	2	6.05	2	G9III		138298		
2494	V 646 CEN	11 34 34.432	-52 55 59.21		-0.0006	-0.009	8.8	6					B9	6	239223	V	
2495	SU DRA	11 35 06.832	+67 36 26.96		-0.0072	-0.097	9.4	6	9.520	7			A2	6	15575	V	
2496	C- 3 CEN	11 35 08.091	-47 28 13.95		-0.0074	+0.024	5.44	2	6.68	2			GK2		222917		
2497	PI CHA	11 35 10.915	-75 37 10.26		-0.0354	-0.001	5.65	2	6.00	2	5.99	2	F2III		256857		
2498	LW CEN	11 35 11.924	-63 04 14.27		+0.0008	+0.015	9.3	7					B1.5V	7	251495	V	
2499	59 UMA	11 35 41.090	+43 54 10.14		-0.0136	-0.038	5.47						A7N		43837		
2500	60 UMA	11 35 52.827	+47 06 42.03		-0.0042	-0.030	6.22						DF2		43839		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
2501	1 OME	VIR 11 35 52.896	+08 24 40.36		-0.0007	+0.002	5.37	2	6.94	2	8.44	2	M4.5III	7	118965	V	
2502	24 IOT	CRT 11 36 07.523	-12 55 35.21		+0.0060	+0.114	5.64						DF5		156802	D	
2503	AL	CAM 11 37 14.810	+80 30 44.53		-0.0079	+0.010	9.5	6							1915	V	
2504	OMI	HYA 11 37 43.438	-34 28 02.58		-0.0036	-0.003	4.70	2	4.63	2	4.41	2	B9		202695		
2505	AI	LEO 11 37 53.632	+11 28 21.02		-0.0001	-0.012	8.9	6					MB	6	99725	V	
2506	AY	UMA 11 38 06.521	+30 19 55.02		-0.0041	-0.000	9.0	6							62653	V	
2507	92	LEO 11 38 11.187	+21 37 50.48		-0.0044	-0.046	5.30						K0III		81941		
2508	AK	LEO 11 38 13.261	+13 21 18.79		-0.0009	+0.001	8.7	6					MB	6	99730	V	
2509	61	UMA 11 38 25.282	+34 29 02.88		-0.0010	-0.388	5.34	2	6.08	2	6.31	2	G8V		62655	V?	
2510	UZ	CEN 11 38 36.210	-62 24 54.23		-0.0007	+0.002	8.87	7	9.480	7			G5	6	251537	V	
2511	62	UMA 11 38 58.336	+32 01 22.45		-0.0274	+0.019	5.66						DF1		62658		
2512	3	DRA 11 39 42.090	+67 01 18.18		-0.0078	+0.034	5.34						K3III	6	15606	V	
2513	V 752	CEN 11 40 18.375	-35 32 17.06		-0.0065	-0.014	9.11	5					G0	6	202729	V	
2514	V 644	CEN 11 40 42.230	-60 27 23.96		+0.0008	+0.024	9.5	7					B3	6	251552	V	
2515	27 ZET	CRT 11 42 13.506	-18 04 21.55		+0.0020	-0.036	4.72	2	5.69	2	6.43	2	G8III		156869		
2516	2 XI	VIR 11 42 42.410	+08 32 10.50		+0.0040	-0.022	4.85	2	5.03	2	5.13	2	A4		119029		
2517	TV	UMA 11 42 58.064	+36 10 18.06		-0.0046	+0.020	7.2	6					MB	6	62693	V	
2518	LAM	MUS 11 43 14.023	-66 27 05.06		-0.0161	+0.033	3.640	1	3.800	1	3.950	1	A7II-III		251575	D	
2519	3 NU	VIR 11 43 17.340	+06 48 34.72		-0.0014	-0.187	4.040	1	5.540	1	7.320	1	M1III		119035		
2520	03 CHI	UMA 11 43 25.030	+48 03 24.16		-0.0138	+0.024	3.720	1	4.900	1	6.060	1	K0III		43886	V?	
2521	Z	HYA 11 45 08.204	-32 59 54.40		-0.0014	+0.001	9.8	7							202820	V	
2522	4 A- 1	VIR 11 45 20.756	+08 31 25.26		-0.0040	+0.008	5.32	2	5.34	2	5.38	2	A1		119058		
2523	93	LEO 11 45 24.461	+20 29 48.73		-0.0107	-0.008	4.53	2	5.08	2	5.36	2	A +G5III-		81998		
2524	MU	MUS 11 45 49.270	-66 32 11.82		+0.0032	-0.021	4.71		6.24	7			GK3		251597	V	
2525	II	HYA 11 46 13.287	-26 28 17.95		-0.0025	-0.015	5.11		6.69				M4III		180208	V	
2526	94 BET	LEO 11 46 30.605	+14 51 05.80		-0.0343	-0.119	2.140	1	2.220	1	2.300	1	A3V		99809	DV?	
2527	-J	CEN 11 47 14.269	-63 30 37.47		-0.0032	-0.002	4.310	1	4.160	1	3.540	1	B3VNE		251602		
2528	LZ	CEN 11 48 04.320	-60 30 56.20		-0.0015	-0.015	8.0	7					B5	6	251606	V	
2529	5 BET	VIR 11 48 05.387	+02 02 47.61		+0.0494	-0.275	3.600	1	4.150	1	4.260	1	F8V		119076		
2530	RU	CRT 11 48 33.334	-10 55 46.68		-0.0008	-0.001	8.2	6					M3	6	156937	V	
2531	B	CEN 11 48 38.202	-44 53 42.92		-0.0077	-0.018	4.46	2	5.76	2	7.22	2	K4III		223062		
2532	TY	VIR 11 49 16.770	-05 29 00.24		-0.0017	-0.046	8.0	6	9.27	7			K2	6	138451	V	
2533	VZ	CEN 11 49 59.812	-61 14 45.11		+0.0019	+0.011	8.5	7					B0	6	251619	V	
2534	S	CRT 11 50 11.674	-07 19 06.02		-0.0006	+0.007	8.5	6					MC	6	138457	V	
2535	BET	HYA 11 50 22.635	-33 37 47.13		-0.0042	+0.001	4.28	2	4.18	2	3.85	2	A0SI		202901	D	
2536	64 GAM	UMA 11 51 12.566	+53 58 21.97		+0.0105	+0.007	2.440	1	2.440	1	2.470	1	A0V		28179	V?	
2537	CV	LEO 11 51 24.206	+20 46 05.82		+0.0006	-0.002	8.8	6					K7	6	82039	V	
2538	6 A- 2	VIR 11 52 29.222	+08 43 19.27		-0.0020	+0.013	5.58	2	6.52	2	7.19	2	GK0		119111		
2539	65	A UMA 11 52 29.996	+46 45 18.11		-0.0001	+0.004	6.46						A0		43945	DV?	
2540	65	B UMA 11 52 35.569	+46 44 52.51		+0.0011	+0.001	6.81						B9		43946	D	
2541	95 -O	LEO 11 53 06.284	+15 55 30.08		+0.0006	-0.004	5.47		5.570				A3V		99869		
2542	66	UMA 11 53 22.253	+56 52 36.51		+0.0005	-0.004	5.84						GK0		28191		
2543	ETA	CRT 11 53 27.831	-16 52 20.63		-0.0039	-0.011	5.18	2	5.15	2			A0V		156988	V?	
2544	WX	LEO 11 53 38.203	+16 00 28.02		+0.0010	-0.039	8.5	6					MB	6	99874	V	
2545	DV	HYA 11 53 51.670	-33 59 46.28		-0.0005	-0.050	10.0	6					MA	6	202955	V	
2546	Z	UMA 11 53 54.196	+58 08 59.27		-0.0038	-0.019	8.4	4					M6E	4	28194	V	
2547	EPS	CHA 11 57 06.727	-77 56 36.07		-0.0161	-0.005	4.910	1	4.750	1	4.690	1	B9VN		256894	D	
2548	DZ	MUS 11 57 21.147	-69 36 22.96		+0.0001	-0.016	8.8	6					A0	7	251674	V	
2549	7 -B	VIR 11 57 23.194	+03 56 01.03		-0.0014	-0.014	5.37	2	5.37	2	5.37	2	A1		119156		
2550	31	CRT 11 58 17.515	-19 22 50.18		-0.0012	+0.008	5.28						B1.5V		157042		53

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2551	8 P1	VIR	11 58 16.616	+06 53 35.14	-0.0001	-0.034	4.67	2	4.80	2	4.90	2	A4V	6	119164		
2552	AG	VIR	11 58 29.756	+13 17 13.13	-0.0006	-0.033	8.7	6	8.97	7			A0	4	99908	V	
2553	1	COM	11 59 10.718	+22 22 22.19	-0.0028	-0.016	6.58	4					F8		82106		
2554	67	UMA	11 59 34.787	+43 19 22.85	-0.0297	+0.070	5.00						A M		44002		
2555	THE- 1	CRU	12 00 27.925	-63 02 04.31	-0.0214	+0.003	4.310	1	4.585	1	4.615	1	A M		251705	D	
2556	2	COM	12 01 43.065	+21 44 15.35	+0.0026	-0.009	5.70						F M		82123	N	
2557	THE- 2	CRU	12 01 43.852	-62 53 14.24	-0.0023	+0.003	4.710	1	4.625	1	4.015	1	B3IV	6	251717	V?	
2558	TZ	VIR	12 02 02.341	+02 53 52.85	+0.0005	-0.030	9.0	6					MA		119203	V	
2559	KAP	CHA	12 02 09.732	-76 14 28.66	-0.0211	+0.044	5.04	2	6.53	2	8.31	2	GK3	7	256899		
2560	RX	VIR	12 02 11.163	-05 29 41.55	-0.0023	+0.024	8.7	6					K0		138566	V	
2561	9 OMI	VIR	12 02 39.704	+09 00 38.34	-0.0149	+0.043	4.12	2	5.11	2	5.75	2	G8III		119213		
2562	ETA	CRU	12 04 15.481	-64 20 05.32	+0.0052	-0.039	4.15	2	4.49	2	4.52	2	F0III	4	251742	N	
2563	RW	VIR	12 04 41.092	-06 29 14.88	-0.0013	-0.015	7.0	4					MB		178594	V	
2564	E	CEN	12 05 38.779	-48 24 51.00	-0.0027	-0.020	5.34	2	5.34	2	5.30	2	A1V		223235		
2565	DEL	CEN	12 05 45.446	-50 26 38.33	-0.0034	-0.012	2.65	1	2.560	1	1.750	1	B2IVNE		239689	NV	
2566	1 ALP	CRV	12 05 49.746	-24 27 00.13	+0.0062	-0.045	4.02	2	4.34	2	4.32	2	F2V		180505		
2567	RU	CEN	12 06 47.574	-45 08 53.09	-0.0018	-0.012	9.2	7					G0	6	223245	V	
2568	TZ	UMA	12 07 05.293	+58 39 43.53	-0.0013	-0.013	8.6	6					M2	6	28265	V	
2569	10	VIR	12 07 07.504	+02 10 42.92	+0.0028	-0.183	5.95	2	7.07	2	8.20	2	GK3		119245		
2570	11	VIR	12 07 30.460	+06 05 05.82	-0.0108	+0.016	5.73	2	6.08	2	6.25	2	A M		119249		
2571	2 EPS	CRV	12 07 32.919	-22 20 30.12	-0.0052	+0.010	2.980	1	4.320	1	5.790	1	K3III		180531	V?	
2572	3	COM	12 07 58.743	+17 05 14.50	-0.0014	-0.006	6.30		6.360				A2V		99973		
2573	3	CRV	12 08 29.091	-23 19 26.24	-0.0047	-0.021	5.46	2	5.52	2			A2		180546		
2574	RHO	CEN	12 09 01.684	-52 05 24.55	-0.0038	-0.019	3.960	1	3.810	1	3.200	1	B4V		239737		
2575	68	UMA	12 09 15.828	+57 19 57.68	+0.0006	-0.018	6.38						GK5		28291		
2576	4	COM	12 09 19.044	+26 08 55.60	-0.0034	-0.032	5.63						GK4		82178		
2577	5	COM	12 09 36.779	+20 49 12.97	-0.0013	-0.027	5.56						GGB		82182		
2578	S	MUS	12 10 04.183	-69 52 25.51	-0.0028	-0.016	5.90		6.700				CF6		251701	V	
2579	12	VIR	12 10 53.133	+10 32 25.23	-0.0065	-0.019	5.79		6.060				A M		99997		
2580	D	CEN	12 11 25.272	-45 26 45.27	-0.0043	+0.003	5.31	2	6.74	2	8.33	2	GM0	6	223297	D	
2581	FG	VIR	12 11 41.613	-05 26 24.64	-0.0056	+0.114	6.54	4					A5	6	138664	DV	
2582	AH	VIR	12 11 47.864	+12 05 55.26	+0.0015	-0.111	9.1	6					K0	6	100003	V	
2583	T	VIR	12 12 02.572	-05 45 28.53	-0.0002	-0.000	8.2	4					M6E	4	138666	V	
2584	1	CVN	12 12 15.101	+53 42 45.72	-0.0024	-0.020	6.12						GK0		28309		
2585	V 369	CEN	12 12 20.410	-54 32 32.35	-0.0025	-0.027	9.1	7					MB	6	239789	V	
2586	DEL	CRU	12 12 28.600	-58 28 14.80	-0.0049	-0.010	2.810	1	2.570	1	1.660	1	B2IV		239791	V?	
2587	69	UMA	12 12 57.584	+57 18 36.94	+0.0126	+0.004	3.310	1	3.390	1	3.460	1	A3V		28315	V?	
2588	4 GAM	CRV	12 13 13.843	-17 15 51.84	-0.0114	+0.018	2.580	1	2.470	1	2.120	1	B8III		157176	V?	
2589	6	COM	12 13 27.855	+15 10 38.40	-0.0058	-0.032	5.08		5.130				A2V		100012		
2590	2	CVN	12 13 37.464	+40 56 18.07	+0.0013	-0.037	5.60						M1III		44097	D	
2591	7	COM	12 13 48.840	+24 13 23.62	-0.0022	-0.012	4.88						K0III		82211		
2592	EPS	MUS	12 14 51.002	-67 40 57.38	-0.0417	-0.031	4.16		5.74	7	7.35	7	M5III	7	251830	V	
2593	AB	CRU	12 14 55.850	-57 53 12.68	-0.0034	-0.006	8.9	7					B0	6	239816	V	
2594	AO	CRU	12 15 02.450	-63 20 18.13	-0.0086	-0.057	8.5	7					K5	6	251832	V	
2595	SW	CEN	12 15 08.087	-49 27 23.38	+0.0001	-0.008	10.0						A0	6	223337	V	
2596	BET	CHA	12 15 22.132	-79 02 04.83	-0.0152	+0.015	4.245	1	4.130	1	3.620	1	B6V		256924		
2597	ZET	CRU	12 15 42.632	-63 43 30.91	-0.0067	-0.016	4.040	1	3.870	1	3.190	1	B3IV		251841	D	
2598	13	VIR	12 16 06.363	-00 30 33.74	+0.0017	-0.020	5.90	2	6.07	2	6.20	2	A3		178710		
2599	F	CEN	12 16 19.093	-54 51 54.91	-0.0085	-0.021	5.00	2	6.59	2	8.54	2	GM3	7	239838	D	
2600	FM	COM	12 16 30.903	+26 17 08.64	-0.0003	-0.026	6.48	2	6.66	2	6.75	2	A7V		82237	V	

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
2601	14 VIR	12 16 45.613	-08 38 12.56		+0.0000	-0.027	7.03	4					K0	4	138716	D	
2602	8 COM	12 16 47.697	+23 18 44.13		-0.0016	-0.016	6.27	2	6.44	2	6.58	2	A M		82239		
2603	9 COM	12 16 59.435	+28 26 09.98		-0.0150	-0.133	6.20						DF8		82244		
2604	R CRV	12 17 02.315	-18 58 41.71		+0.0004	+0.003	5.9	4					M6E	4	157211	V	
2605	15 ETA	12 17 20.761	-00 23 20.65		-0.0043	-0.022	3.900	1	3.920	1	3.990	1	A2V		138721	V?	
2606	3 CVN	12 17 21.284	+49 15 41.27		-0.0012	+0.002	5.31						GM1		44127		
2607	CH VIR	12 17 46.864	-08 43 21.01		-0.0014	+0.006	9.0	6					MC	6	138725	V	
2608	16 -C VIR	12 17 48.540	+03 35 27.07		-0.0196	-0.070	4.96	2	6.12	2	7.27	2	K1III		119341	V?	
2609	5 ZET	12 17 58.019	-21 56 17.08		-0.0070	-0.033	5.21	2	5.11	2			B8		180700	D	
2610	RY UMA	12 18 03.991	+61 35 13.27		-0.0061	-0.016	7.6	6					M2-3IIIE	7	15775	V	
2611	11 COM	12 18 11.480	+18 04 08.27		-0.0079	+0.084	4.74	2	5.75	2	6.54	2	G8III		100053	D	
2612	70 UMA	12 18 25.940	+58 08 32.32		+0.0049	-0.077	5.55						GK5	6	28346		
2613	SX CEN	12 18 32.228	-48 56 01.93		-0.0020	+0.012	9.6	7					F5	4	223370	V	
2614	T CRU	12 18 36.501	-62 00 14.72		-0.0006	+0.008	6.6	4	7.360	7			G0		251861	V	
2615	EPS CRU	12 18 38.819	-60 07 30.06		-0.0235	+0.082	3.590	1	5.010	1	6.630	1	GK3		251862	V?	
2616	ZET- 2 MUS	12 19 19.446	-67 14 40.99		-0.0038	-0.013	5.15	2	5.34	2	5.51	2	A5M		251866	D	
2617	ZET- 1 MUS	12 19 23.197	-68 01 45.86		-0.0017	-0.064	5.74	2	6.78	2	7.60	2	GG9		251868		
2618	17 VIR	12 19 59.426	+05 35 00.08		-0.0113	-0.057	6.40	2	7.00	2	7.08	2	DF7		119360	D	
2619	12 COM	12 19 59.615	+26 07 24.31		-0.0009	-0.014	4.81	2	5.30	2	5.57	2	G0III-IV+		82273	D	
2620	KS MUS	12 20 21.446	-75 13 34.37		+0.0016	-0.007	9.2	6							256935	V	
2621	6 CRV	12 20 44.931	-24 33 47.28		-0.0015	-0.015	5.68	2	6.84	2			GK1		180747		
2622	R CRU	12 20 52.216	-61 21 07.59		+0.0017	-0.015	6.6	4	7.180	7			F5	4	251878	V	
2623	4 AI CVN	12 21 19.690	+42 49 10.04		-0.0072	+0.009	5.93		6.290	7			F0		44155	V	
2624	XZ CEN	12 21 33.478	-35 21 23.45		-0.0008	-0.035	7.8	7					MC	6	203430	V	
2625	5 CVN	12 21 36.061	+51 50 20.55		+0.0009	+0.010	4.80	2	5.67	2	6.29	2	G7III		28366		
2626	13 COM	12 21 48.124	+26 22 32.44		-0.0012	-0.015	5.18	2	5.26	2	5.36	2	A3V		82291		
2627	S CEN	12 21 52.330	-49 09 46.52		-0.0017	+0.004	8.1	5					R5	5	223414	V	
2628	UY CVN	12 22 27.162	+45 51 42.01		+0.0031	-0.044	9.0	6							44163	V	
2629	71 UMA	12 22 40.207	+57 03 16.93		-0.0020	-0.023	5.81						GM3		28375		
2630	6 CVN	12 23 23.345	+39 17 44.80		-0.0070	-0.037	5.04						G8III-IV		63000		
2631	ALP- 1 CRU	12 23 48.064	-62 49 19.43		-0.0036	-0.017	1.317	1	1.067	1	0.067	1	B1IV		251904	D	54
2632	ALP- 2 CRU	12 23 48.695	-62 49 22.27		-0.0041	-0.014	1.828	1	1.578	1	0.578	1	B3N			D	55
2633	G CEN	12 23 48.957	-51 10 25.51		-0.0047	-0.020	4.820	1	4.680	1	4.070	1	B4IV		239948	D	
2634	14 COM	12 23 54.154	+27 32 42.06		-0.0011	-0.013	4.95	2	5.22	2	5.40	2	F0P		82310		
2635	15 GAM	12 24 26.870	+28 32 46.07		-0.0064	-0.087	4.37	2	5.50	2	6.65	2	K1III-IV		82313		
2636	16 COM	12 24 29.411	+27 06 08.63		-0.0005	-0.015	5.00	2	5.08	2	5.21	2	A4V		82314		
2637	73 UMA	12 25 12.795	+55 59 21.68		-0.0033	-0.015	5.61						GM2		28394		
2638	SIG CEN	12 25 19.525	-49 57 14.18		-0.0029	-0.022	3.910	1	3.720	1	2.950	1	B2V		223454		
2639	TV COM	12 25 26.788	+19 04 44.22		+0.0002	-0.009	9.2	6							100109	V	
2640	-U CEN	12 25 42.451	-38 45 52.42		-0.0025	-0.023	5.60						B8		203508		
2641	17 AI COM	12 26 24.963	+26 11 21.69		-0.0019	-0.024	5.29	2	5.23	2	5.13	2	A SI		82330	DV	
2642	18 COM	12 26 56.989	+24 23 06.44		-0.0023	-0.005	5.48	2	5.91	2	6.00	2	F5IV		82333		
2643	20 COM	12 27 12.570	+21 10 21.86		+0.0017	-0.038	5.72		5.790				A3V		82336		
2644	7 DEL	12 27 16.380	-16 14 14.14		-0.0148	-0.143	2.940	1	2.890	1	2.800	1	B9-SV?N		157323	DV?	
2645	74 UMA	12 27 37.655	+58 40 50.23		-0.0083	+0.088	5.37						A5		28405		
2646	7 CVN	12 27 41.303	+51 48 40.66		-0.0315	+0.019	6.13						DF6		28407		
2647	75 UMA	12 27 44.266	+59 02 38.10		+0.0037	-0.028	6.10						G8III-IV		28408		
2648	BK VIR	12 27 48.073	+04 41 34.48		-0.0043	-0.021	8.2	6					MC	6	119433	V	
2649	SV HYA	12 27 52.696	-25 46 17.39		-0.0048	+0.019	9.4	6	9.52	7			A5	6	180855	V	
2650	4 CQ DRA	12 27 55.835	+69 28 40.78		-0.0117	-0.055	5.07		6.68	7			GM4		15816	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2651	GAM- 1 CRU	12 28 22.727	-56 50 00.33		+0.0035	-0.267	1.630	1	3.220	1	5.180	1	M3II		240019	DV?	
2652	GAM- 2 CRU	12 28 29.606	-56 48 17.53		+0.0006	-0.004	6.42	2	6.58	2			A2		240022	D	
2653	21 UU COM	12 28 30.830	+24 50 35.98		-0.0009	-0.013	5.46	2	5.51	2	5.61	2	A P		82346	V	
2654	BG CRU	12 28 51.856	-59 08 52.21		-0.0018	-0.008	5.44		6.01	7	6.37	7	F5IB-GOP	7	240027	V	
2655	GAM MUS	12 29 27.195	-71 51 25.17		-0.0102	-0.009	3.860	1	3.710	1	3.100	1	B5V		256955		
2656	8 ETA CRV	12 29 29.361	-15 55 09.82		-0.0298	-0.066	4.32	2	4.69	2	4.71	2	F0IV		157345		
2657	20 VIR	12 30 30.989	+10 34 16.70		-0.0038	-0.001	6.34						GG7		100146		
2658	CI VIR	12 30 35.751	+07 31 33.42		+0.0006	-0.023	9.2	6					MC	6	119463	V	
2659	22 COM	12 31 04.736	+24 33 31.51		-0.0013	-0.008	6.29	2	6.40	2	6.40	2	A4V		82378		
2660	21 -Q VIR	12 31 11.720	-09 10 35.01		-0.0057	+0.001	5.48	2	5.45	2	5.35	2	A0		138845		
2661	5 KAP DRA	12 31 21.550	+70 03 48.95		-0.0116	+0.009	3.890	1	3.750	1	3.180	1	B7P		7593	V?	
2662	8 BET CVN	12 31 22.289	+41 37 44.10		-0.0631	+0.288	4.27	2	4.86	2	4.91	2	G0V		44230		
2663	9 BET CRV	12 31 45.340	-23 07 13.60		+0.0001	-0.058	2.64	1	3.520	1	4.170	1	G5III	4	180915	V?	
2664	80 MUS	12 31 57.152	-67 28 53.19		-0.0038	-0.010	6.21	4					MB	6	251957	V	
2665	RU CRV	12 32 19.166	-20 33 39.20		-0.0016	-0.012	9.1	6					M2	6	180922	V	
2666	23 COM	12 32 21.635	+22 54 15.43		-0.0049	+0.016	4.81	2	4.81	2	4.80	2	A0IV		82390		
2667	24 COM	12 32 35.872	+18 39 07.84		-0.0002	+0.019	6.72						F1V?		100159	DV?	
2668	24 COM	12 32 37.306	+18 39 07.37		-0.0004	+0.018	5.18						K2III		100160	D	
2669	6 DRA	12 32 37.661	+70 17 49.65		-0.0068	-0.003	5.07						GK2		7600		
2670	T UMA	12 34 07.200	+59 45 43.32		-0.0037	-0.015	5.5						GM4E		28444	V	
2671	ALP MUS	12 34 10.693	-68 51 36.83		-0.0074	-0.016	2.700	1	2.500	1	1.660	1	B3IV		251974	DV?	
2672	25 -F VIR	12 34 12.656	-05 33 23.59		-0.0022	-0.022	5.90						A0		138873		
2673	25 COM	12 34 27.913	+17 21 53.16		-0.0026	-0.022	5.68						GK5		100176		
2674	TAU CEN	12 34 57.448	-48 15 58.29		-0.0186	-0.008	3.860	1	3.910	1	3.940	1	A2V	6	223560	V	
2675	S CRV	12 34 58.847	-16 59 21.25		-0.0018	-0.036	9.2	6					F5	6	157401	V	
2676	RV CRV	12 35 03.324	-19 18 10.61		-0.0033	+0.016	8.6	6					F0	6	157402	V	
2677	V 449 CEN	12 35 38.462	-35 29 59.40		-0.0032	+0.007	11.0	7					G8	6	203655	V	
2678	R VIR	12 35 57.669	+07 15 47.01		-0.0019	-0.008	6.2						GM4E		119509	V	
2679	9 CVN	12 36 22.106	+41 08 57.73		-0.0025	-0.021	6.37		6.550				A5V		44265		
2680	26 COM	12 36 38.080	+21 20 14.11		-0.0060	-0.015	5.39						GG8		82421		
2681	26 CHI VIR	12 36 39.749	-07 43 14.48		-0.0053	-0.031	4.67	2	5.89	2	7.25	2	K2III		138892		
2682	-L CEN	12 37 09.597	-39 42 44.92		-0.0044	-0.035	4.64	2	4.56	2	4.16	2	A P		203681		
2683	Y UMA	12 38 04.415	+56 07 14.83		-0.0003	-0.004	7.9	6					M7II-III?	7	28471	V	
2684	AG CRU	12 38 32.500	-59 31 11.45		+0.0002	+0.005	8.30	7	8.860	7			F5	6	240150	V	
2685	GAM CEN	12 38 44.898	-48 41 07.32		-0.0192	-0.008	2.170	1	2.160	1	2.150	1	A0III		223603	D	
2686	R MUS	12 39 00.393	-69 08 00.31		+0.0008	-0.009	5.90		6.700				G5		251906	V	
2687	27 VIR	12 39 03.153	+10 42 01.54		-0.0075	+0.000	6.30						A5		100207	V?	
2688	29 GAM VIR	12 39 07.452	-01 10 31.58	C	-0.0379	+0.008	2.740	1	3.100	1	3.070	1	F0V+F0V		138917	DV?	
2689	30 RHO VIR	12 39 21.180	+10 30 39.16		+0.0057	-0.095	4.88	2	4.97	2	5.00	2	A0V	4	100211		
2690	28 VIR	12 39 22.327	-07 13 32.04		+0.0006	-0.046	7.21	4					K5		138920		
2691	76 UMA	12 39 23.262	+62 59 14.10		-0.0052	-0.020	5.86						A0		15871		
2692	31 -D- 1 VIR	12 39 25.039	+07 04 50.99		-0.0047	-0.016	5.59	2	5.59	2	5.57	2	B9		119538	D	
2693	-W CEN	12 39 48.700	-48 32 19.34		-0.0129	-0.035	4.66	2	5.76	2	6.77	2	SK1		223614		
2694	S UMA	12 41 45.615	+61 21 59.88		-0.0036	-0.017	7.0	4					SE	4	15883	V	
2695	TX CVN	12 42 17.910	+37 02 14.41		+0.0025	-0.019	9.4	6							63173	V	
2696	10 CVN	12 42 37.654	+39 33 00.73		-0.0309	+0.135	5.95	2	6.50	2	6.47	2	G0V		63177		
2697	IOT CRU	12 42 40.528	-60 42 25.27		+0.0140	-0.068	4.69	2	5.74	2	6.67	2	K1III		252016	D	
2698	Y CVN	12 42 47.084	+45 42 47.87		-0.0002	+0.012	4.87	2	7.41	2	14.03	2	C5-4		44317	V	
2699	32 -D- 2 VIR	12 43 05.423	+07 56 47.16		-0.0074	+0.000	5.22	2	5.55	2	5.70	2	A M		119574		
2700	BET MUS	12 43 11.492	-67 50 05.16		-0.0056	-0.024	3.050	1	2.870	1	2.130	1	B2.5V		252019	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2701	X	CRU	12 43 26.930	-58 51 05.81	-0.0005	-0.012	8.98	7	9.870	7			G5	6	240231	V	
2702	33	VIR	12 43 50.043	+09 49 08.75	+0.0186	-0.450	5.67	2	6.66	2	7.40	2	K1IV		1195A0		
2703	27	COM	12 44 08.887	+16 51 00.91	+0.0006	+0.002	5.15						K3III	7	100252	V	
2704	EP	VIR	12 44 29.852	+06 13 27.05	+0.0022	-0.047	6.35		6.29				A4P		1195A5		
2705	34	VIR	12 44 42.587	+12 13 52.05	+0.0028	-0.023	6.05						A3		100260		
2706	BET	CRU	12 44 47.037	-59 24 56.53	-0.0050	-0.017	1.250	1	1.020	1	0.030	1	B0.5IV		240259	DV	
2707	35	VIR	12 45 18.552	+03 50 43.38	-0.0006	-0.007	6.41	2	8.01	2	9.83	2	GM4		119596		
2708	7	DRA	12 45 32.195	+67 03 46.82	+0.0002	-0.007	5.46						GK5		15902		
2709	28	COM	12 45 44.053	+13 49 33.69	-0.0033	-0.033	6.40		6.420				A0V		100269		
2710	29	COM	12 46 23.872	+14 23 42.62	+0.0022	-0.029	5.70	2	5.72	2	5.79	2	A2V		100283		
2711	11	CYN	12 46 23.980	+48 44 20.61	-0.0069	+0.011	6.27		6.440				A M		44332		
2712	30	COM	12 46 51.347	+27 49 27.45	-0.0073	+0.017	5.70		5.720				A2V		82515	D	
2713	-P	CEN	12 47 57.957	-33 43 37.32	-0.0022	-0.023	4.91	2	4.87	2			A0IV	4	203863	V	
2714	U	VIR	12 48 33.491	+05 49 30.60	-0.0000	+0.007	7.7	4					M4E		119627		
2715	37	VIR	12 49 04.062	+03 19 41.53	-0.0025	+0.016	3.89	2	3.75	2	3.18	2	GK4		119633		
2716	31	COM	12 49 15.862	+27 48 44.73	-0.0010	-0.013	4.94	2	5.61	2	5.81	2	G0III		82537		
2717	IOT	OCT	12 49 30.427	-84 51 08.65	+0.0508	+0.025	5.46	2	6.48	2	7.27	2	K0III		258654	D	
2718	32	COM	12 49 43.043	+17 20 43.66	-0.0002	-0.017	6.38						GM0	4	100309		
2719	33	COM	12 49 53.538	+17 22 49.27	+0.0022	-0.041	6.92						F8		100311		
2720	-E	CEN	12 50 16.447	-48 40 17.35	-0.0086	-0.023	4.33	2	5.70	2	7.28	2	GK2		223731		
2721	36	VIR	12 50 37.388	-03 16 54.20	-0.0174	-0.006	6.11	2	6.61	2	6.65	2	DF6		139022		
2722	-N	CEN	12 50 39.510	-39 54 26.31	+0.0055	-0.027	4.27	2	4.48	2	4.60	2	A7III		203907		
2723	KAP	CRU	12 50 48.851	-60 06 19.07	+0.0012	-0.026	5.90		6.140				B3IAB		252077		
2724	35	COM	12 50 50.075	+21 30 58.99	-0.0034	-0.027	4.97						G8III+F6		82550	D	
2725	EF	MUS	12 51 02.557	-69 45 55.03	+0.0006	+0.007	7.7	6					A M		252081	V	
2726	41	VIR	12 51 19.121	+12 41 23.78	+0.0034	-0.029	6.25	2	6.52	2	6.57	2	K0	6	100322	V	
2727	YZ	CEN	12 51 22.423	-43 36 39.45	+0.0021	-0.014	8.0	6					G0		223741	V	
2728	S	CRU	12 51 23.582	-58 09 34.04	-0.0013	-0.005	6.20		6.900				B3IV		240362	V	
2729	MU - 1	CRU	12 51 38.394	-56 54 24.00	-0.0036	-0.010	4.030	1	3.860	1	3.110	1	B5VE		240366	D	
2730	MU - 2	CRU	12 51 39.615	-56 53 49.85	-0.0039	-0.005	5.19	2	5.08	2	4.58	2	B5?VN		240367	D	
2731	LAM	CRU	12 51 40.057	-58 52 31.38	-0.0041	-0.014	4.620	1	4.470	1	3.870	1	M3III		240368		
2732	40	PSI	12 51 44.944	-09 16 03.92	-0.0019	-0.020	4.80	2	6.39	2	7.94	2	A0PV		139033	V	
2733	77	EPS	12 51 50.084	+56 13 51.13	+0.0131	-0.010	1.770	1	1.750	1	1.760	1	M4		88553	V	
2734	TU	CYN	12 52 39.731	+47 28 03.10	-0.0019	-0.008	5.83						M3III		44383	V	
2735	43	DEL	12 53 04.986	+03 40 07.60	-0.0314	-0.058	3.380	1	4.970	1	6.760	1	A5N		119674		
2736	8	DRA	12 53 29.454	+65 42 33.68	-0.0014	-0.034	5.24	2	5.52	2	5.54	2	F0V		15941		
2737	12	ALP- 1	12 53 40.203	+38 35 03.82	-0.0203	+0.057	5.60	2	5.94	2	5.91	2	B9.5PV		63256	D	
2738	12	ALP- 2	12 53 41.478	+38 35 16.82	-0.0201	+0.052	2.890	1	2.770	1	2.450	1	B8V		63257	DV	
2739	H	CEN	12 54 10.886	-50 55 41.60	-0.0027	-0.019	5.29						A0	6	240407	V	
2740	V 377	CEN	12 54 25.854	-47 47 23.97	+0.0001	-0.002	9.0	6					NP	4	223785	V	
2741	RY	DRA	12 54 28.102	+66 15 51.97	-0.0011	-0.034	6.1	4					MA	6	15945	V	
2742	CN	VIR	12 56 17.078	+08 28 46.77	+0.0004	-0.016	8.4	6					GM0	6	119690	V?	
2743	36	COM	12 56 27.099	+17 40 42.39	-0.0024	+0.024	4.79	2	6.35	2	8.31	2	B8		100357	V	
2744	V 602	CEN	12 56 58.190	-58 14 43.49	-0.0039	-0.005	10.	7					NA	6	240459	V	
2745	TT	CYN	12 57 02.068	+38 05 14.10	-0.0022	-0.029	7.9	6					A2	6	63280	V	
2746	44	-K	12 57 04.803	-03 32 33.43	-0.0027	+0.003	5.79	2	5.97	2	6.05	2	G9?II-III		139086	D	
2747	37	COM	12 57 52.994	+31 03 15.55	-0.0016	-0.012	4.90						GK2		63288	D	
2748	46	VIR	12 58 01.260	-03 06 00.31	-0.0019	+0.046	5.99	2	7.11	2	8.20	2	K2III		139096	D	
2749	9	DRA	12 58 02.053	+66 51 59.88	-0.0241	-0.016	5.32	2	6.61	2	7.90	2	F2V		15960	DV?	
2750	78	UMA	12 58 35.351	+56 38 07.77	+0.0134	-0.014	4.93	2	5.29	2	5.30	2			28601		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	G N
2751	36 COM	12 58 41.259	+17 23 32.28		-0.0004	-0.030	5.86						GG7		100374		
2752	DEL MUS	12 58 47.972	-71 16 47.18		+0.0560	-0.032	3.620	1	4.800	1	6.060	1	K2III		257000		
2753	UY VIR	12 59 13.446	-19 30 19.44		+0.0006	-0.050	7.8	6					A3	6	157664	V	
2754	47 EPS VIR	12 59 41.210	+11 13 38.90		-0.0187	+0.017	2.840	1	3.780	1	4.520	1	G9II-III		100384	V?	
2755	RT VIR	13 00 05.701	+05 27 15.23		+0.0014	-0.024	8.2	6					MAP	6	119744	V	
2756	XI - 1 CEN	13 00 38.852	-49 15 31.85		-0.0061	-0.017	4.850	1	4.870	1	4.850	1	A0V		223870		
2757	46 VIR	13 01 19.652	-03 23 40.75		-0.0026	-0.040	6.59	2	6.88	2	6.99	2	A7N		139131	D	
2758	CO VIR	13 01 24.450	+07 20 08.69		-0.0025	-0.021	8.9	6					M8	6	119746	V	
2759	V 603 CEN	13 02 03.694	-35 19 22.41		-0.0003	-0.014	11.	7					K0	6	204103	V	
2760	-F CEN	13 03 22.134	-48 11 44.73		-0.0031	-0.026	4.710	1	4.570	1	4.000	1	B5V		223900	D	
2761	14 CVN	13 03 24.273	+36 03 57.55		-0.0027	+0.017	5.00		4.920				B9V		63338	V?	
2762	39 COM	13 03 55.003	+21 25 16.61		-0.0052	-0.048	5.94						DF1		82650		
2763	40 FS COM	13 03 56.569	+22 53 02.05		+0.0018	-0.053	5.60	2	7.19	2	8.82	2	GM5		82651	V	
2764	XI - 2 CEN	13 03 58.753	-49 38 19.89		-0.0030	-0.012	4.270	1	4.080	1	3.320	1	B2V		223909		
2765	41 COM	13 04 46.815	+27 53 33.31		+0.0023	-0.077	4.82	2	6.27	2	8.14	2	K5III		82659		
2766	THE MUS	13 04 52.075	-65 02 21.47		-0.0014	-0.015	5.51	2	5.49	2	4.62	2	B0I?+WC6		252162	D	
2767	49 VIR	13 05 16.406	-10 28 24.61		+0.0009	-0.012	5.19	2	6.33	2	7.45	2	K1III		157739		
2768	-G VIR	13 05 55.822	-08 43 01.10		-0.0025	-0.066	5.55	2	6.73	2	7.91	2	GK3		139175		
2769	45 PSI HYA	13 06 21.343	-22 51 04.21		-0.0017	-0.043	5.11						GK1		181410		
2770	50 VIR	13 07 08.029	-10 03 47.22		-0.0008	-0.018	5.94	2	7.43	2	9.12	2	GK5		157760	V?	
2771	51 THE VIR	13 07 21.476	-05 16 21.11		-0.0023	-0.037	4.38	2	4.37	2	4.38	2	A1V		139189	D	
2772	15 CVN	13 07 24.057	+38 47 58.97		-0.0016	-0.002	6.10		5.980				B7III		63374	D	
2773	42 ALP COM	13 07 33.321	+17 47 36.25		-0.0302	+0.131	4.23	2	4.62	2			F5V+F5V		100443		47
2774	16 CVN	13 07 43.603	+38 59 22.62		-0.0035	-0.009	7.04	4					A3	4	63377		
2775	17 CVN	13 07 45.560	+38 45 51.02		-0.0063	+0.038	5.98						F0		63380	D	
2776	SY CVN	13 08 08.301	+47 18 24.11		+0.0000	+0.023	9.2	6							44494	V	
2777	RS CVN	13 08 17.856	+36 12 01.14		-0.0048	+0.023	8.3	6					F8	6	63382	V	
2778	18 CVN	13 09 12.571	+41 03 28.17		-0.0033	-0.013	7.34	4					K0	4	44499		
2779	53 VIR	13 09 23.596	-15 55 45.72		+0.0065	-0.292	5.04	2	5.50	2	5.52	2	F6IV		157788		
2780	43 BET COM	13 09 32.444	+28 07 52.02		-0.0605	+0.879	4.26	2	4.84	2	4.92	2	G0V		82706		
2781	54 A VIR	13 10 46.153	-18 33 42.09		-0.0016	-0.022	6.8	4					A0		157708	D	
2782	54 B VIR	13 10 46.352	-18 33 36.70		-0.0020	-0.015	7.3	4							157709	D	
2783	S CVN	13 10 48.487	+37 38 29.78		-0.0017	-0.027	7.9	6					M0	6	63409	V	
2784	SW VIR	13 11 29.747	-02 32 32.59		-0.0042	+0.004	7.9	6					M7III	7	139236	V	
2785	55 VIR	13 11 30.040	-19 40 07.08		-0.0088	+0.162	5.63						DG6		157806		
2786	ETA MUS	13 11 49.986	-67 37 48.78		-0.0058	-0.017	4.800	1	4.720	1	4.380	1	B8V		252224	D	
2787	56 VIR	13 12 07.590	-10 06 20.17		-0.0023	-0.054	7.21	4					K5	4	157811		
2788	UV VIR	13 12 40.468	-17 12 25.58		-0.0068	-0.038	9.1	6					A2	6	157818	V	
2789	TV CVN	13 12 57.474	+42 31 50.10		-0.0013	-0.029	9.1	6							44528	V	
2790	57 VIR	13 13 16.230	-19 40 39.95		+0.0215	-0.121	5.22	2	6.26	2			K1IV		157823		
2791	19 CVN	13 13 17.180	+41 07 07.39		-0.0098	+0.011	5.59						A5		44531		
2792	UY CEN	13 13 37.025	-44 26 26.26		-0.0004	+0.008	7.1	4					K5P	4	224021	V	
2793	DK VIR	13 13 51.276	-01 07 34.94		-0.0037	-0.017	6.49		6.79	7			F0		139254	V	
2794	FH VIR	13 13 52.749	+06 46 08.32		-0.0014	-0.050	7.22	4	8.76	7	10.26	7	M6III	7	119843	V	
2795	-R CEN	13 14 06.074	-31 14 31.61		+0.0028	-0.055	5.36						K1III		204312		
2796	V 396 CEN	13 14 11.453	-61 19 13.93		-0.0010	-0.014	10.0	7					M8	6	252241	V	
2797	59 -E VIR	13 14 17.531	+09 41 05.64		-0.0227	+0.187	5.22	2	5.80	2	5.89	2	F8V		119847	D	
2798	58 VIR	13 14 49.849	-10 17 00.19		-0.0057	+0.009	7.22	4					F0	4	157837		
2799	60 SIG VIR	13 15 04.685	+05 43 57.99		-0.0005	+0.011	4.81	2	6.48	2	8.43	2	GM2		119855		
2800	20 AO CVN	13 15 18.147	+40 50 07.24		-0.0112	+0.017	4.73	2	5.03	2	5.23	2	F0II-IIIP		44549	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
2801	61 VIR	13 15 47.057	-18 02 01.31		-0.0754	-1.072	4.740	1	5.450	1	5.710	1	G6V		157844		
2802	21 CVN	13 16 07.096	+49 56 40.38		-0.0034	+0.015	5.15						A0		44556	V?	
2803	46 GAM	13 16 11.868	-22 54 29.88		+0.0047	-0.049	3.000	1	3.920	1	4.580	1	G8III		181543	V?	
2804	V CVN	13 17 17.087	+45 47 22.43		-0.0047	-0.002	7.5	6					M4E	7	44564	V	
2805	62 VIR	13 17 42.169	-11 02 31.04		-0.0085	-0.015	6.81	4					K0	4	157869		
2806	IOT CEN	13 17 46.683	-36 26 56.86		-0.0282	-0.089	2.730	1	2.760	1	2.770	1	A2V		204371		
2807	23 CVN	13 18 04.621	+40 24 44.81		-0.0054	-0.008	5.55						GK1		44570		
2808	V 606 CEN	13 18 22.400	-60 15 32.93		-0.0024	+0.010	9.7	6					B	6	252281	V	
2809	J-1 CEN	13 19 20.663	-60 42 38.52		-0.0020	-0.018	6.51						B4V		252283	DV?	
2810	J-2 CEN	13 19 22.932	-60 43 36.67		-0.0046	-0.017	4.525	1	4.395	1	3.805	1	B5V		252284	D	
2811	64 VIR	13 19 38.322	+05 24 59.08		-0.0045	-0.040	5.87	2	5.99	2	6.09	2	A M		119905		
2812	63 VIR	13 20 20.138	-17 28 26.35		-0.0035	-0.034	5.45						K0III		157899	V?	
2813	-M CEN	13 20 37.523	-64 16 29.16		+0.0055	-0.032	4.53	2	5.38	2	5.85	2	G5III-IV		252293		
2814	05 VIR	13 20 43.231	-04 39 48.26		-0.0014	-0.020	5.89	2	7.32	2	8.98	2	GK3		159308		
2815	IOT-1 MUS	13 21 07.877	-74 37 32.17		-0.0263	-0.133	5.05	2	6.16	2	7.17	2	GK0		257041		
2816	79 ZET-1 UMA	13 21 54.916	+55 11 09.46		+0.0139	-0.025	2.292	1	2.312	1	2.342	1	A2V		28737	V?	158
2817	79 ZET-2 UMA	13 21 55.808	+55 10 56.63		+0.0134	-0.033	3.850	1	3.870	1	3.900	1	A M		28738	DV?	159
2818	66 VIR	13 21 56.859	-04 54 11.82		+0.0104	-0.035	5.76						DF3		139324		
2819	V 379 CEN	13 22 06.824	-59 31 16.73		-0.0015	-0.017	8.8	7					B9	6	240822	V	
2820	07 ALP VIR	13 22 33.301	-10 54 03.36		-0.0029	-0.033	0.970	1	0.740	1	-0.200	1	B1V		157923	V	
2821	80 -G UMA	13 23 13.477	+55 14 52.98		+0.0134	-0.021	4.020	1	4.180	1	4.260	1	A5V		28751	V?	
2822	IOT-2 MUS	13 23 17.181	-74 25 55.78		-0.0098	-0.023	6.63	2	6.57	2	6.33	2	B9		257047		
2823	W VIR	13 23 26.923	-03 07 08.78		+0.0005	+0.006	9.5	4	10.03	7			G0	4	139335	V	
2824	BD VIR	13 23 59.767	-15 50 41.85		-0.0011	+0.009	9.4	6					A5	6	157936	V	
2825	V 380 CEN	13 24 04.276	-61 36 52.53		-0.0024	+0.006	9.7	7					B8	6	252311	V	
2826	68 -I VIR	13 24 04.412	-12 26 53.17		-0.0092	-0.025	5.26	2	6.79	2	8.55	2	M0III		157938	V?	
2827	69 VIR	13 24 46.868	-15 42 53.55		-0.0085	+0.019	4.75	2	5.85	2	6.91	2	K1III		157946	V?	
2828	V 402 CEN	13 25 00.120	-63 19 30.17		-0.0006	-0.034	9.8	7					A0	6	252319	V	
2829	V VIR	13 25 13.084	-02 54 50.81		+0.0005	-0.001	8.0	4					M3E	4	139350	V	
2830	V 743 CEN	13 25 17.716	-51 01 58.53		+0.0006	-0.055	8.7	6					A5	6	240869	V	
2831	70 VIR	13 25 59.001	+14 02 42.77		-0.0164	-0.581	4.98	2	5.69	2	5.95	2	G5V		100582		
2832	K CEN	13 26 20.569	-50 54 24.80		-0.0001	-0.021	5.06	2	5.13	2			A2		240883		
2833	71 VIR	13 26 44.290	+11 04 36.69		-0.0042	-0.044	5.68						G69		100592		
2834	R HYA	13 26 58.482	-23 01 24.51		-0.0041	+0.011	4.970	1	6.580	1	7.260	1	GM7E		181695	DV	79
2835	SS HYA	13 27 44.798	-23 23 31.30		+0.0002	-0.042	7.71	5					B9	7	181708	DV	
2836	72 -L-1 VIR	13 27 48.983	-06 12 45.99		+0.0026	+0.012	6.07						A5		139370	DV?	
2837	-D CEN	13 28 08.129	-39 08 59.17		-0.0012	-0.019	3.880	1	5.040	1	6.080	1	G8III		204545	D	
2838	V 659 CEN	13 28 12.830	-61 19 29.68		+0.0005	+0.004	6.6	6					F8	6	252342	V	
2839	FK COM	13 28 24.727	+24 29 25.35		-0.0046	-0.022	8.0	6					G5	6	82867	DV	
2840	VY CVN	13 28 29.971	+38 01 58.40		+0.0021	-0.054	8.4	6							63576	V	
2841	V 701 CEN	13 28 31.522	-51 30 52.19		-0.0026	-0.034	8.7	6					A0	6	240918	V	
2842	S CHA	13 28 50.340	-77 18 35.60		-0.1021	-0.114	7.0						F5		257060	DV	
2843	73 VIR	13 29 20.719	-18 28 18.39		-0.0069	-0.019	5.93						A4M		157987	D	
2844	74 -L-2 VIR	13 29 21.721	-05 59 53.73		-0.0069	-0.047	4.69	2	6.29	2	8.25	2	GM3		139390		
2845	75 VIR	13 30 11.071	-15 06 23.40		-0.0053	-0.007	5.65						GK2		157998		
2846	76 -H VIR	13 30 19.814	-09 54 28.93		-0.0023	-0.041	5.21	2	6.17	2	6.77	2	K0III		139401		
2847	S VIR	13 30 23.507	-06 56 18.80		+0.0031	-0.010	6.0						GM7E		139403	V	
2848	77 VIR	13 30 47.578	-07 21 59.21		-0.0052	-0.001	7.08	4					F0	4	139407		
2849	RW HYA	13 31 31.971	-25 07 28.59		-0.0025	+0.014	8.2	6							181760	V	
2850	78 -O VIR	13 31 35.762	+03 54 54.36		+0.0028	-0.029	4.94	2	4.96	2	4.96	2	A2P	2	120004	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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2851	-Y	VIR	13 32 00.689	-12 57 31.06	-0.0033	-0.016	5.81						A1P		158021	DV?	
2852	EQ	VIR	13 32 06.611	-08 05 06.74	-0.0186	-0.098	9.0	6					K7VE	7	139419	V	
2853	79 ZET	VIR	13 32 08.554	-00 20 27.51	-0.0191	+0.036	3.380	1	3.500	1	3.580	1	A3VN		139420		
2854	81	UMA	13 32 12.066	+55 36 15.08	-0.0031	-0.007	5.43						A0SI		28803		
2855	24	CVN	13 32 24.787	+49 16 15.85	-0.0132	+0.023	4.70	2	4.82	2	4.93	2	A4V		44668	V?	
2856	KAP	OCT	13 32 25.492	-85 31 53.97	-0.0706	-0.020	5.58	2	5.76	2	5.92	2	A2		258674		
2857	80	VIR	13 32 55.011	-05 08 31.82	+0.0009	+0.079	5.73	2	6.68	2	7.33	2	G6III		139428		
2858	V 764	CEN	13 33 16.917	-33 13 26.73	-0.0005	-0.014	9.1	6	10.28	7	11.37	7	K5	6	204640	V	
2859	TV	HYA	13 34 25.223	-23 21 39.65	-0.0027	-0.059	7.20	4					A3	4	181797	V	
2860	81	VIR	13 34 57.840	-07 37 02.04	-0.0008	-0.004	7.11	4					K2	4	139447		
2861	25	CVN	13 35 14.400	+36 32 54.96	-0.0084	+0.022	4.83	2	5.06	2	5.15	2	A7III		63648	D	
2862	EPS	CEN	13 36 42.322	-53 12 46.33	-0.0025	-0.017	2.300	1	2.080	1	1.160	1	B1V		241047		
2863	V 765	CEN	13 36 44.100	-39 29 40.06	-0.0019	-0.029	6.36		8.02	7			M4		204768	V	
2864	V 744	CEN	13 36 53.546	-49 41 49.67	-0.0116	+0.008	5.62	4					GM7	4	224317	V	
2865	XX	CEN	13 37 01.128	-57 21 37.54	-0.0013	-0.025	6.6	4	7.330	7			G5		241049	V	
2866	82	UMA	13 37 34.434	+53 10 24.43	-0.0162	+0.056	5.36						A2		28832		
2867	V	UMI	13 37 46.654	+74 33 48.46	+0.0019	+0.008	7.7	6					M4	7	7859	V	
2868	1	BOO	13 38 17.135	+20 12 28.48	-0.0035	+0.018	5.57		5.570				A1V		82942	D	
2869	Q-1	CEN	13 38 31.621	-54 18 31.32	-0.0096	-0.055	7.10	4							241075	D	
2870	Q-2	CEN	13 38 31.648	-54 18 25.50	-0.0052	-0.050	5.65						B8V		241076	D	
2871	2	BOO	13 38 40.375	+22 44 54.40	-0.0015	-0.029	5.63						G69		82946		
2872	83	UMA	13 38 50.564	+54 56 03.02	-0.0031	-0.011	4.66	2	6.29	2	8.25	2	M2III		28843	V?	
2873	T	CEN	13 38 53.233	-33 20 41.93	-0.0012	+0.022	5.6						GM0E		204739	V	
2874	82 -M	VIR	13 38 59.047	-08 27 05.13	-0.0067	+0.035	5.16						M2III	6	139490		
2875	RY	VIR	13 39 00.650	-18 53 02.93	-0.0035	+0.005	8.0	6					M2		158092	V	
2876	84	VIR	13 40 32.775	+03 47 25.06	-0.0196	-0.074	5.37	2	6.47	2	7.52	2	K2III		120082	DV?	
2877	83	VIR	13 41 47.649	-15 55 42.06	+0.0006	-0.011	5.60	2	6.41	2	6.82	2	G0II		158131		
2878	SX	HYA	13 41 49.222	-26 31 45.43	-0.0032	-0.021	8.6	6					A3	6	181919	V	
2879	1	CEN	13 42 50.314	-32 47 29.86	-0.0365	-0.150	4.23	2	4.61	2	4.61	2	F2III		204812		
2880	85	VIR	13 42 53.232	-15 31 01.28	-0.0033	-0.029	6.15						A0		158147		
2881	86	VIR	13 43 16.173	-12 10 36.19	-0.0014	+0.002	5.82						GG7		158152	D	
2882	M	CEN	13 43 28.626	-51 10 57.82	+0.0008	-0.036	4.65	2	5.61	2	6.33	2	GG9		241157	DV?	
2883	V 766	CEN	13 43 40.199	-62 20 25.12	-0.0023	-0.016	6.41	2	8.25	2			G8IA+P	7	252448	DV	
2884	-Z	CEN	13 44 00.957	-36 00 08.70	-0.0010	-0.023	5.15	2	5.13	2			A0		204835	D	
2885	3	BOO	13 44 23.997	+25 57 08.51	-0.0016	-0.065	5.84						DF3		82993		
2886	87	VIR	13 44 41.863	-17 36 37.17	+0.0039	-0.039	5.44	2	7.05	2	8.98	2	M1III		158165		
2887	84	UMA	13 44 43.755	+54 40 55.31	-0.0027	-0.004	5.49		5.400				A P		28885		
2888	TAU	BOO	13 44 53.109	+17 42 18.89	-0.0338	+0.034	4.50	2	4.98	2	5.03	2	F7V		100706	DV?	
2889	BF	VIR	13 45 18.572	-00 20 45.86	+0.0002	-0.025	9.2	6					A0	6	139552	V	
2890	RT	CEN	13 45 24.857	-36 36 50.02	+0.0020	-0.049	8.1	7							204857	V	
2891	85 ETA	UMA	13 45 34.294	+49 33 44.12	-0.0129	-0.014	1.860	1	1.670	1	0.990	1	B3V		44752	V?	
2892	88	VIR	13 45 40.815	-06 35 18.80	-0.0027	-0.021	6.59	4					K0	4	139559		
2893	W	HYA	13 46 12.222	-07 06 51	-0.0028	-0.060	7.1	4					M8E	4	181981	DV	
2894	NU	CEN	13 46 29.738	-41 26 21.60	-0.0021	-0.025	3.410	1	3.190	1	2.340	1	B2IV		224469	V?	
2895	2 -G	CEN	13 46 32.422	-34 12 06.71	-0.0035	-0.061	4.19	2	5.69	2	7.15	2	GM6		204875		
2896	MU	CEN	13 46 35.658	-42 13 31.64	-0.0020	-0.026	2.940	1	2.780	1	2.040	1	B2V?PNE		224471	DV	
2897	CE	VIR	13 46 42.444	-01 40 52.00	-0.0045	+0.001	8.8	6					K2	6	139574	V	
2898	R	CVN	13 46 48.498	+39 47 26.61	+0.0017	-0.006	7.4						GM6		63763	V	
2899	5 UPS	BOO	13 47 03.866	+16 02 42.66	-0.0066	+0.037	4.07	2	5.59	2	7.46	2	K5III		100725		
2900	89	VIR	13 47 08.966	-17 53 09.12	-0.0071	-0.041	5.11						K1III		158186		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2901	SZ CEN	13 47 11.751	-58 15 05.22		-0.0020	-0.049	8.3	7					A2	6	241215	V	
2902	-E BOO	13 47 20.894	+21 30 41.73		+0.0012	+0.013	4.94						K4III		83015		
2903	V 381 CEN	13 47 22.494	-57 19 58.44		-0.0039	+0.006	7.88	7	8.500	7			G5P	6	241219	V	
2904	N- 1 CEN	13 48 48.655	-52 33 45.85		-0.0058	-0.030	7.72	4					A3	4	241238	D	
2905	N- 2 CEN	13 48 50.649	-52 33 52.32		-0.0047	-0.038	5.68						B9VN		241239	D	
2906	3 -K- 1 CEN	13 48 55.945	-32 44 49.54		-0.0027	-0.042	4.573	2	4.443	2	3.843	2	B5IIIP		204916	D	39
2907	3 -K- 2 CEN	13 48 56.526	-32 44 51.73		-0.0045	-0.031	6.026	2	5.896	2	5.296	2	B8V		204917	D	40
2908	V 757 CEN	13 48 59.555	-36 22 33.14		-0.0098	-0.072	8.5	6					G5	6	204919	V	
2909	AY VIR	13 49 15.948	-03 25 45.76		+0.0001	-0.013	9.3	6					MB	6	139504	V	
2910	V 758 CEN	13 49 24.087	-55 17 40.36		+0.0004	-0.003	9.5	6					B9	6	241248	V	
2911	DL VIR	13 49 54.732	-18 27 45.03		-0.0032	+0.023	7.0	6							158210	V	
2912	10 -I DRA	13 49 58.224	+64 58 11.15		-0.0006	-0.006	4.66	2	6.23	2	8.12	2	GM3		16199	DV?	
2913	-H- 1 CEN	13 50 19.324	-31 41 07.91		+0.0001	-0.003	9.132	1	8.992	1	8.432	1			204943	D	37
2914	4 -H- 2 CEN	13 50 19.377	-31 40 53.46		-0.0012	-0.016	4.749	1	4.609	1	4.049	1	B5III		204944	D	38
2915	-Y CEN	13 50 36.899	-35 25 05.26		-0.0065	-0.023	5.64						DF6		204955	D	
2916	7 BOO	13 50 49.498	+18 10 42.63		-0.0028	-0.001	5.59						GG4		100751		
2917	V 767 CEN	13 50 49.586	-46 52 56.54		-0.0037	-0.004	5.94		5.81	7			B2IIIE	7	224514	DV	
2918	XZ BOO	13 51 31.543	+17 31 33.64		-0.0028	-0.009	9.0	6							100761	V	
2919	60 UMA	13 52 00.671	+53 58 26.27		-0.0039	-0.008	5.65						A0		28928		
2920	90 -P VIR	13 52 07.925	-01 15 28.42		-0.0055	-0.029	5.15	2	6.23	2	7.31	2	K2III		139613		
2921	8 ETA BOO	13 52 18.168	+18 38 51.35		-0.0045	-0.363	2.680	1	3.260	1	3.460	1	G0IV		100766		
2922	ZET CEN	13 52 24.510	-47 02 34.86		-0.0056	-0.044	2.550	1	2.330	1	1.420	1	B2IV		224538		
2923	ZZ BOO	13 53 51.752	+26 09 46.10		-0.0086	-0.007	6.69	4					F0	4	83080	V	
2924	92 VIR	13 53 54.861	+01 17 39.69		-0.0019	+0.010	5.91	2	6.11	2	6.25	2	A3		120185		
2925	GH HYA	13 54 03.314	-26 54 41.22		+0.0011	-0.024	8.8	6					M3	6	182107	V	
2926	V 412 CEN	13 54 03.480	-57 28 02.46		+0.0001	-0.005	8.5	7					MR	6	241324	V	
2927	9 BOO	13 54 17.174	+27 44 11.48		+0.0020	-0.052	5.04						K3III	6	83084	V?	
2928	CP VIR	13 54 29.643	+06 49 06.19		-0.0017	-0.012	8.8	6					MB	6	120101	V	
2929	PHI CEN	13 55 13.278	-41 51 26.57		-0.0023	-0.025	3.830	1	3.620	1	2.790	1	B2IV		224577	V?	
2930	UPS- 1 CEN	13 55 34.794	-44 33 37.41		-0.0024	-0.024	3.870	1	3.670	1	2.870	1	B2V		224585		
2931	47 HYA	13 55 42.433	-24 43 44.18		-0.0036	-0.031	5.17		5.070				B8		182134		
2932	10 BOO	13 56 18.296	+21 56 21.76		-0.0008	-0.049	5.66		5.620				A0V		83103		
2933	UY BOO	13 56 20.210	+13 11 41.96		+0.0011	-0.058	9.4	6					A2	6	100803	V	
2934	48 HYA	13 57 11.725	-24 46 01.83		-0.0147	-0.096	5.80						F3V		182152		
2935	RW CVN	13 57 24.787	+37 26 22.34		+0.0019	-0.027	8.6	6							63872	V	
2936	UPS- 2 CEN	13 58 35.630	-45 21 43.76		+0.0001	-0.023	4.34	2	4.94	2	5.22	2	F7I-II		224621		
2937	11 BOO	13 58 54.410	+27 37 38.44		-0.0061	+0.014	6.12						A3		83130		
2938	93 TAU VIR	13 59 05.942	+01 47 08.46		+0.0011	-0.025	4.26	2	4.36	2	4.49	2	A3III		120238	D	
2939	AT CIR	13 59 46.603	-66 29 44.79		-0.0029	-0.082	8.1	6							252577	V	
2940	BET CEN	14 00 16.510	-60 07 58.09		-0.0027	-0.023	0.620	1	0.380	1	0.620	1	B1II		252582	D	
2941	THE APS	14 00 23.288	-76 33 24.73		-0.0249	-0.035	5.5						M4		257112	V	
2942	V 413 CEN	14 01 10.550	-58 39 10.47		-0.0020	-0.007	10.1	7					A0	6	241417	V	
2943	CHI CEN	14 02 59.020	-40 56 27.53		-0.0017	-0.024	4.360	1	4.170	1	3.400	1	B3V		224673		
2944	11 ALP DRA	14 03 01.963	+64 36 51.57		-0.0090	+0.015	3.650	2	3.600	1	3.520	1	A0III		16273	V?	
2945	49 PI HYA	14 03 31.045	-26 26 32.51		+0.0032	-0.144	3.250	1	4.400	1	5.440	1	K2III		182244		
2946	94 VIR	14 03 38.658	-08 39 13.93		-0.0001	-0.017	6.56	4					A0	4	139732		
2947	5 THE CEN	14 03 43.877	-36 07 29.64		-0.0429	-0.523	2.060	1	3.050	1	3.950	1	K0III-IV		205188		
2948	ER VIR	14 03 59.164	-13 58 00.77		-0.0008	-0.020	6.69	4					MB	6	158357	V	
2949	95 VIR	14 04 03.906	-09 04 32.68		-0.0096	+0.006	5.46	2	5.80	2			A8N		139736		
2950	DM VIR	14 05 12.032	-10 54 54.12		-0.0018	+0.001	8.9	6					F5	6	158369	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N	
2951	BY	B ₀ O	14 05 55.835	+44 05 29.73		+0.0007	-0.031	5.28	2	6.86	2	8.52	2	M4III-M4.5	7	44901	V	
2952	ES	VIR	14 05 58.503	-08 37 31.27		-0.0013	-0.009	8.2	6					MB	6	139753	V	
2953	96	VIR	14 06 20.481	-10 05 54.66		-0.0006	+0.020	6.48						GG7		158395		
2954	13	B ₀ O	14 06 25.202	+49 41 37.67		-0.0070	+0.059	5.22						GM2		44905	V?	
2955	3	UMI	14 06 31.564	+74 49 49.51		-0.0162	+0.013	6.33						A3		7953		
2956	V 759	CEN	14 07 28.904	-47 31 59.90		-0.0067	-0.016	7.73	4					F8	6	224743	V	
2957	Z	VIR	14 07 39.452	-13 04 08.37		+0.0098	-0.120	9.9	7							158394	V	
2958	ET	VIR	14 08 06.328	-16 04 00.12		+0.0002	-0.011	4.91		6.61				GM3		158401	V	
2959	12	-D	14 08 07.066	+25 19 39.84		-0.0017	-0.064	4.83	2	5.37	2	5.44	2	F8IV		83203		
2960	AL	VIR	14 08 26.833	-13 04 32.93		-0.0036	-0.019	9.0	6	9.40	7			F5	6	158406	V	
2961	DN	VIR	14 08 38.935	-10 14 38.68		-0.0009	-0.008	8.7	6					MB	6	158411	V	
2962	RU	HYA	14 08 40.868	-28 39 01.06		-0.0038	-0.053	9.4	6					M6E	7	182327	V	
2963	4	UMI	14 09 00.558	+77 46 56.76		-0.0108	+0.030	4.87						K3III		7958		
2964	EU	VIR	14 09 36.350	-18 30 42.77		-0.0014	-0.001	9.0	6					M4	6	158421	V	
2965	CU	VIR	14 09 43.750	+02 38 38.06		-0.0034	-0.031	5.02	2	4.90	2	4.46	2	A SI		120339	DV	
2966	97	VIR	14 09 53.309	-09 39 57.37		+0.0026	-0.024	7.29	4					F0	4	139785		
2967	50	HYA	14 09 53.730	-27 01 36.38		-0.0009	-0.038	5.25						GK3		182349		
2968	98	KAP	14 10 13.451	-10 02 30.80		+0.0004	+0.136	4.21	2	5.53	2	7.00	2	K3III		158427		
2969	V 716	CEN	14 10 15.197	-54 23 31.02		-0.0018	-0.018	6.11	2	6.16	2			B9		241552	V	
2970	EV	VIR	14 10 27.235	-13 37 33.62		-0.0032	-0.024	7.18	4					MB	6	158431	V	
2971	17 KAP- 1	B ₀ O	14 11 40.271	+52 01 15.47		+0.0054	-0.024	6.69		7.08		6.99	2	F2V		29045	D	
2972	14	B ₀ O	14 11 40.773	+13 11 35.16		-0.0176	-0.055	5.48						DF6		100925	V?	
2973	17 KAP- 2	B ₀ O	14 11 41.518	+52 01 23.55		+0.0063	-0.007	4.54		4.740		4.84	2	A7IV		29046	DV	1
2974	ETA	APS	14 11 48.968	-80 46 30.92		-0.0111	-0.059	4.91	2	5.16	2	5.27	2	A2P		258693		
2975	15	B ₀ O	14 12 23.822	+10 20 07.17		-0.0018	-0.157	5.24						K0III		100934	D	
2976	R	CEN	14 12 56.901	-59 40 55.23		-0.0018	-0.022	5.3						M4		241580	DV	
2977	16 ALP	B ₀ O	14 13 22.750	+19 26 30.95		-0.0776	-1.999	-0.050	1	1.180	1	2.460	1	K2IIIP		100944	V?	
2978	99 IOT	VIR	14 13 23.345	-05 45 46.18		-0.0006	-0.432	4.09	2	4.60	2	4.63	2	F7IV		139824	V?	
2979	RR	CEN	14 13 24.877	-57 37 22.09		-0.0083	-0.039	7.2	4					F2	4	241587	V	
2980	V 636	CEN	14 13 40.211	-49 42 49.03		-0.0028	-0.043	8.8	6					G0	6	224812	V	
2981	21 IOT- 1	B ₀ O	14 14 23.673	+51 35 49.93		-0.0165	+0.088	4.75	2	4.95	2	5.01	2	A7V		29071	DV?	
2982	IOT- 2	B ₀ O	14 14 25.816	+51 36 22.17		-0.0179	+0.082	8.8	4					A2	4	29073	D	
2983	19 LAM	B ₀ O	14 14 28.969	+46 19 01.93		-0.0183	+0.158	4.18	2	4.26	2	4.31	2	A0P		44965	V?	
2984	AN	VIR	14 15 16.853	-14 28 35.50		-0.0006	+0.005	9.0	6					M5	6	158473	V	
2985	CS	VIR	14 15 52.016	-18 29 07.67		-0.0045	-0.047	5.89		5.900				A P		158481	V	
2986	A	B ₀ O	14 15 52.952	+35 44 21.87		-0.0002	+0.011	4.81	2	5.87	2	6.79	2	K0III		64053		
2987	IOT	LUP	14 16 11.449	-45 49 41.82		-0.0013	-0.001	3.550	1	3.370	1	2.650	1	B3IV		224833	V?	
2988	EPS	APS	14 16 13.098	-79 52 48.41		-0.0065	-0.012	5.06	2	4.96	2	4.40	2	B3V		257142		
2989	100 LAM	VIR	14 16 23.969	-13 08 30.89		-0.0013	+0.024	4.52	2	4.65	2	4.74	2	A M		158489	V?	
2990	EY	VIR	14 16 28.980	-13 12 06.70		+0.0012	-0.022	8.7	6					M5	6	158492	V	
2991	-V	CEN	14 16 48.924	-56 09 26.52		-0.0017	-0.018	4.33	2	4.45	2			B5II		241641		
2992	18	B ₀ O	14 16 50.980	+13 14 02.67		+0.0072	-0.035	5.41	2	5.79	2	5.76	2	F5IV-V		100975		
2993	102 UPS	VIR	14 16 57.685	-02 02 06.82		-0.0080	-0.072	5.24						G0III		139866	V?	
2994	20	B ₀ O	14 17 23.143	+16 32 06.18		-0.0101	+0.055	4.86	2	6.09	2	7.49	2	K3III		100980		
2995	V 418	CEN	14 17 26.160	-64 00 46.81		+0.0008	-0.001	8.7	7					K5	6	252712	V	
2996	PSI	CEN	14 17 30.393	-37 39 23.06		-0.0057	-0.016	4.05	2	4.02	2	3.91	2	A0IV		205453	D	
2997	EZ	VIR	14 18 17.315	-18 45 49.46		+0.0000	+0.002	8.3	6					M1	6	158504	V	
2998	DEL	OCT	14 18 39.094	-83 26 29.51		-0.0581	-0.008	4.32	2	5.63	2	7.08	2	GK1		258698		
2999	CQ	VIR	14 18 55.990	+06 40 14.44		-0.0005	-0.031	9.3	6					K	6	120410	V	
3000	103	VIR	14 19 23.719	-01 45 37.73		-0.0046	-0.011	6.75	4					A2	4	139890		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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3001	Y	B00	14 19 41.776	+20 01 59.36	-0.0011	-0.032	7.4	4					K0	4	83308	V	
3002	-A	CEN	14 19 56.795	-39 17 04.67	-0.0025	-0.036	4.420	1	4.240	1	3.500	1	B3V		205497	V	
3003	51 -K	HYA	14 20 12.508	-27 31 31.63	-0.0145	-0.116	4.75	2	6.06	2	7.59	2	K5III		182483		
3004	UV	B00	14 20 17.278	+25 46 38.05	-0.0040	-0.029	8.2	5					F5	5	83315	V	
3005	2	L1B	14 20 43.914	-11 29 12.00	-0.0009	-0.063	6.30						G7III		158528		
3006	S	B00	14 21 12.394	+54 02 12.41	+0.0009	-0.031	7.9	4					M4E	4	29125	V	
3007	R	CAM	14 21 17.844	+84 03 37.48	+0.0055	+0.017	7.2	4					SE	4	2366	V	
3008	KX	B00	14 21 56.691	+25 55 48.52	+0.0024	-0.061	8.6	7					M7E	7	83331	V	
3009	TAU- 1	LUP	14 22 54.967	-44 59 46.85	-0.0012	-0.015	4.560	1	4.410	1	3.620	1	B3III		224919	V	
3010	TAU- 2	LUP	14 22 57.189	-45 09 15.94	+0.0014	-0.011	4.350	1	4.780	1	4.960	1	DF7		224920	V	
3011	FF	VIR	14 23 22.973	+01 13 03.86	-0.0024	-0.045	7.01	4	7.00	7			A2P	7	120452	V?	
3012	23 THE	B00	14 23 29.610	+52 04 52.32	-0.0262	-0.400	4.06	2	4.56	2	4.57	2	F7V		29137		
3013	22 -F	B00	14 24 07.727	+19 27 02.75	-0.0051	+0.020	5.27						A5		101025		
3014	104	VIR	14 24 46.655	-05 53 44.69	-0.0050	-0.062	6.16						A1		139942		
3015	52 -L	HYA	14 25 14.277	-29 16 04.77	-0.0019	-0.026	4.97	2	4.90	2	4.49	2	B8IV		182570	DV?	
3016	105 PHI	VIR	14 25 37.362	-02 00 17.26	-0.0094	-0.005	4.82	2	5.56	2	5.77	2	G2III		139951	DV?	
3017	106	VIR	14 26 03.238	-06 40 37.20	-0.0014	-0.059	5.74						GK5		139957		
3018	24 -G	B00	14 26 53.392	+50 04 04.36	-0.0322	-0.049	5.49						SGG4		29165		
3019	5	UMI	14 27 36.189	+75 55 05.75	+0.0012	+0.020	4.25	2	5.69	2	7.39	2	K4III	4	64180	V	
3020	V	B00	14 27 44.151	+39 04 59.12	+0.0021	-0.035	6.4	4					M6E	4	182618	V	
3021	Y	CEN	14 28 01.653	-29 52 34.48	-0.0012	-0.028	7.7	4					MC	4	158607	V	
3022	UW	L1B	14 28 08.377	-16 35 20.37	+0.0009	+0.006	9.0	6					K0	6	241777	V	
3023	V	CEN	14 28 56.912	-56 40 02.45	-0.0027	-0.015	6.40		7.300				F5		241781		
3024	SIG	LUP	14 29 14.049	-50 14 11.84	-0.0043	-0.013	4.42	2	4.23	2	3.39	2	B2V		64202	D	
3025	25 RHO	B00	14 29 40.446	+30 35 24.14	-0.0079	+0.117	3.590	1	4.890	1	6.330	1	K3III		64203	DV	
3026	27 GAM	B00	14 30 03.837	+38 31 34.11	-0.0099	+0.149	3.020	1	3.210	1	3.330	1	A7III		83305		
3027	28	B00	14 30 16.105	+22 28 45.31	-0.0092	+0.033	5.91						DF2		205701	V	
3028	TU	CEN	14 31 01.988	-31 28 30.48	-0.0036	-0.008	10.6	7					MD	6	225044	DV?	
3029	ETA	CEN	14 32 19.306	-41 56 21.77	-0.0032	-0.035	2.310	1	2.120	1	1.300	1	B1.5V?NE		83416		
3030	26 SIG	B00	14 32 30.141	+29 57 41.19	+0.0145	+0.129	4.47	2	4.84	2	4.76	2	F2V		83421	V	
3031	AD	B00	14 32 58.268	+24 51 24.30	-0.0021	-0.049	9.1	6					G0	6	158665	V	
3032	RV	L1B	14 33 01.226	-17 49 07.45	-0.0016	-0.029	9.8	7					G5	6	252822	V	
3033	V 737	CEN	14 33 19.858	-61 47 37.97	+0.0010	-0.009	7.0	6					G5	6	225062	D	
3034	-A	LUP	14 34 02.921	-45 55 00.95	-0.0014	-0.023	5.41	2	6.41	2	7.12	2	K0III		225071		
3035	RHO	LUP	14 34 30.605	-49 12 32.68	-0.0031	-0.022	4.05	2	3.90	2	3.34	2	B5V		83440	V	
3036	R	B00	14 34 59.266	+26 57 09.41	-0.0005	+0.007	5.9	4					M4E	4	64240	V	
3037	BW	B00	14 35 05.702	+36 08 45.19	-0.0045	-0.016	6.97	4					A2	7	252838	D	
3038	ALP	CEN	14 36 11.253	-60 37 48.84	-0.4904	+0.712	-0.280	1	0.440	1	0.770	1	G2V+DK1		182735		
3039	3	L1B	14 36 28.403	-24 48 47.93	+0.0021	-0.025	8.09	4					K0	4	45153		
3040	33	B00	14 36 58.529	+44 37 10.46	-0.0066	-0.020	5.36						A0		64256	V	
3041	RV	B00	14 37 09.314	+32 45 15.25	+0.0019	-0.003	8.3	6					M5E	7	158719	V	
3042	V	L1B	14 37 34.862	-17 26 35.95	-0.0012	+0.004	9.0	7							101138	DV?	
3043	29 PI - 1	B00	14 38 22.485	+16 37 54.23	+0.0010	+0.011	4.942	2	4.902	2	4.582	2	A P		101139	DV?	
3044	29 PI - 2	B00	14 38 22.872	+16 37 52.28	-0.0000	+0.006	5.814	2	5.774	2	5.454	2	A M		252853	D	
3045	ALP	CIR	14 38 26.380	-64 45 32.38	-0.0291	-0.238	3.190	1	3.430	1	3.550	1	F0VP		225128	DV	
3046	ALP	LUP	14 38 35.530	-47 10 29.32	-0.0017	-0.020	2.300	1	2.100	1	1.220	1	B2II		101145	D	
3047	30 ZET	B00	14 38 45.540	+13 56 30.48	+0.0036	-0.020	3.780	1	3.830	1	3.880	1	A2III+A2II		205839		
3048	-B	CEN	14 38 50.701	-37 34 48.53	-0.0020	-0.036	4.000	1	3.830	1	3.140	1	B3V		64273	V	
3049	RW	B00	14 39 06.201	+31 47 06.62	-0.0002	+0.001	8.0	7					M5	7	120601	V?	
3050	31	B00	14 39 11.282	+08 22 28.74	-0.0003	+0.000	4.94						G8III				

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3051	32 B00	14 39 19.269	+11 52 30.14		-0.0107	-0.117	5.56	2	6.50	2	7.17	2	G8III		1n1152		
3052	4 LIB	14 40 19.767	-24 47 08.49		-0.0014	-0.005	5.75		5.740				B9		182795		
3053	107 MU VIR	14 40 25.283	-05 26 30.92		+0.0070	-0.321	3.880	1	4.260	1	4.250	1	F3IV		140090		
3054	-C- 1 CEN	14 40 35.437	-34 57 34.58		-0.0054	-0.187	4.05	2	5.40	2	6.93	2	K5III		205871		
3055	34 * B00	14 41 13.443	+26 44 22.02		-0.0011	-0.020	4.81	2	6.47	2	8.41	2	GM3		834A8	V	
3056	ALP APS	14 41 32.993	-78 50 05.62		-0.0009	-0.018	3.820	1	5.260	1	6.920	1	K5III		257193		
3057	-C- 2 CEN	14 41 54.660	-34 58 52.58		+0.0002	-0.008	4.92	2	4.93	2	4.90	2	A1		205899		
3058	UV ORA	14 42 33.548	+56 19 02.96		-0.0032	+0.006	8.8	6					M2	6	29259	V	
3059	36 EPS B00	14 42 48.137	+27 17 02.66		-0.0038	+0.018	2.370	1	3.340	1	4.070	1	K0II-III+		83500		
3060	35 OMI B00	14 42 54.369	+17 10 30.21		-0.0041	-0.053	4.60	2	5.58	2	6.33	2	K0III		1n1144		
3061	108 VIR	14 42 57.203	+00 55 38.42		-0.0027	-0.010	5.47		5.440				B9		120642		
3062	54 -M- 1 HYA	14 43 06.029	-25 13 55.15		-0.0111	-0.107	5.21						DF1		182855		
3063	54 -M- 2 HYA	14 43 06.570	-25 14 00.12		-0.0103	-0.083	7.2						DF9		182856		
3064	5 LIB	14 43 12.051	-15 14 59.84		-0.0024	-0.005	6.60						GK2		158788		
3065	-B LUP	14 43 30.576	-52 10 23.89		-0.0018	-0.088	5.20						G8III		241992		
3066	V 553 CEN	14 43 32.248	-31 57 41.97		+0.0002	-0.019	8.7						K0	6	205930	V	
3067	109 VIR	14 43 43.083	+02 06 08.97		-0.0076	-0.031	3.730	1	3.720	1	3.690	1	A0V		120648		
3068	55 HYA	14 44 27.678	-25 24 55.90		-0.0006	-0.020	5.67						A SI		182875		
3069	BG VIR	14 44 33.749	+05 05 38.63		+0.0002	+0.002	9.0	6					MR	6	120658	V	
3070	56 HYA	14 44 49.286	-25 52 44.62		+0.0031	-0.009	5.39						G5III		182882		
3071	57 HYA	14 45 01.621	-26 26 16.69		-0.0009	-0.015	5.80		5.780				B9V		182883		
3072	V 768 CEN	14 45 31.360	-36 25 35.19		-0.0012	-0.052	6.12		7.62	7	8.90	7	GM3	7	205966	V	
3073	6 UMI	14 45 34.278	+72 10 28.52		-0.0081	+0.024	7.40	4					A5	4	8081		
3074	AV CIR	14 46 09.329	-67 17 27.57		+0.0053	-0.019	7.9	6					A P+AP		252908	V	
3075	7 MU LIB	14 46 34.325	-13 56 30.44		-0.0044	-0.019	5.38		5.440						158821	D	
3076	56 E HYA	14 47 20.721	-27 45 11.94		-0.0181	-0.062	4.41	2	5.81	2	7.28	2	GK4		192911		
3077	KY B00	14 47 26.221	+23 14 19.37		+0.0036	-0.012	7.2	4					F3	4	83548	V	
3078	38 -H B00	14 47 31.671	+46 19 25.55		-0.0007	-0.079	5.71						DF4		45226		
3079	8 ALP- 1 LIB	14 47 54.959	-15 47 25.90		-0.0070	-0.072	5.16	2	5.57	2	5.53	2	F5IV		158836	D	
3080	39 B00	14 47 59.220	+48 55 31.51		-0.0082	+0.093	5.60						DF6+DF5		45231	D	
3081	9 ALP- 2 LIB	14 48 06.447	-15 50 06.59		-0.0075	-0.071	2.750	1	2.900	1	2.990	1	A M		158840	D	
3082	OMI LUP	14 48 21.892	-43 22 11.08		-0.0019	-0.030	4.330	1	4.190	1	3.580	1	B6III?		225248	D	
3083	11 LIB	14 48 25.251	-02 05 30.76		+0.0054	-0.127	4.95	2	5.93	2	6.63	2	G8III-IV		140176		
3084	AX CIR	14 48 29.863	-63 36 17.79		-0.0025	-0.014	5.78		6.440	7			G3IIIB8?		252928	V	
3085	10 LIB	14 49 02.658	-18 09 01.41		-0.0010	-0.005	6.82	4					K0	4	158860		
3086	37 XI B00	14 49 04.784	+19 18 27.00		+0.0096	-0.103	4.54	2	5.31	2	5.60	2	G8V		1n1250	D	
3087	ZET CIR	14 50 26.710	-65 47 16.84		-0.0022	-0.027	6.09	2	6.03	2	5.43	2	B4V		252951		
3088	7 BET UMI	14 50 49.645	+74 21 35.57		-0.0086	+0.010	2.080	1	3.550	1	5.320	1	K4III		81n2	V?	
3089	12 LIB	14 51 25.503	-24 26 20.00		-0.0007	-0.031	5.44						GK2		182983		
3090	13 XI - 1 LIB	14 51 39.719	-11 41 43.99	C	-0.0038	-0.015	5.84						GG7		158887		
3091	R APS	14 52 06.820	-76 27 40.64		-0.0201	-0.015	5.0						GM0		257212	V	
3092	EN TRA	14 52 28.130	-68 38 17.43		-0.0028	+0.011	8.7	6							252962	V	
3093	THE CIR	14 52 41.002	-62 34 45.96		-0.0006	-0.004	5.42						B3VNE		252965	D	
3094	-C LUP	14 52 42.802	-52 36 29.25		+0.0035	-0.002	5.56						A2V		242120		
3095	PI - 1 OCT	14 52 48.776	-83 01 44.69		+0.0059	+0.055	5.65	2	6.60	2	7.34	2	K0		258713		
3096	15 XI - 2 LIB	14 54 03.040	-11 12 32.66		+0.0004	+0.004	5.63						K4III		158915		
3097	16 LIB	14 54 34.088	-04 08 38.37		-0.0069	-0.158	4.49	2	4.81	2	4.85	2	F0IV		140240		
3098	1 M SCP	14 54 59.224	+00 01 58.08		+0.0041	-0.027	5.60						K1III		120758		
3099	BET LUP	14 55 14.787	-42 56 02.06		-0.0034	-0.043	2.680	1	2.460	1	1.610	1	B2IV		225335		
3100	17 LIB	14 55 30.544	-10 57 18.86		-0.0010	-0.019	6.42						A0		158935		145

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	PT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
3101	54	HYA	14 55 41.283	-27 27 28.17	-0.0031	-0.014	5.68	2	6.95	2	8.10	2	A M		1a3058	n	
3102	PI - 2	OCT	14 55 51.286	-82 50 28.90	-0.0053	-0.012	5.65	2	6.95	2	8.10	2	K0		258714	n	
3103	KAP	CEN	14 55 53.910	-41 54 17.68	-0.0017	-0.027	3.130	1	2.930	1	2.150	1	B2V		225344	n	
3104	1b	LJB	14 56 11.058	-10 56 39.18	-0.0071	-0.066	6.02						K3III-IVP		158946	n	
3105	EH	LJB	14 56 21.520	-00 44 57.27	-0.0008	-0.026	9.3	6	9.48	7			A5	6	140257	V	
3106	RR	UMI	14 56 46.802	+66 07 52.18	-0.0139	+0.027	4.59	2	6.18	2	7.77	2	GM5		16558	V	
3107	BU	DRA	14 57 17.945	+56 57 02.16	-0.0013	-0.020	9.1	6					F5	6	29364	V	
3108	40	B0C	14 57 41.851	+39 27 45.54	-0.0029	+0.035	5.53						F2		64449		
3109	19 DEL	LJB	14 58 17.808	-08 19 18.19	-0.0045	-0.009	4.93	2	4.93	2	4.82	2	A0		140270	V	
3110	BX	B0O	14 58 56.279	+47 28 27.43	-0.0014	+0.021	6.38		6.24	7			A0P	6	45326	nV	
3111	00	HYA	14 59 07.228	-27 51 49.82	+0.0071	-0.041	5.85	2	6.01	2			A M		1a3099		
3112	2	SCP	14 59 15.090	+00 03 22.02	+0.0004	-0.027	5.76						GM2		120798	n	142
3113	OME	OCT	14 59 54.082	-84 35 43.93	-0.0015	+0.007	5.91	2	5.85	2	5.72	2	A0		258717		
3114	41 OME	B0O	14 59 54.991	+25 12 17.18	-0.0004	-0.050	4.82	2	6.32	2	8.15	2	K4III		83624		
3115	42 BET	B0O	15 00 03.664	+40 35 12.80	-0.0040	-0.032	3.500	1	4.470	1	5.180	1	G8III		45337		
3116	9	UMI	15 00 21.995	+71 57 39.09	-0.0872	+0.091	6.66	4					G0	4	8140		
3117	110	VIR	15 00 22.276	+02 17 11.29	-0.0037	+0.008	4.40	2	5.44	2	6.31	2	K0III		120809		
3118	ETA	CIR	15 00 35.917	-63 50 13.24	+0.0161	-0.001	5.22						GG4		253005		
3119	20 SIG	LJB	15 01 08.247	-25 05 12.27	-0.0054	-0.047	3.270	1	4.980	1	6.940	1	M4III		1a3139	V	
3120	GM	LUP	15 01 27.884	-40 39 59.93	-0.0014	-0.042	6.41	2	7.87	2			GM4		225422	V	
3121	PI	LUP	15 01 42.170	-46 51 24.82	-0.0019	-0.021	3.89	2	3.75	2	3.17	2	B5IV+B5IV		225426	D	97
3122	44 -I	B0O	15 02 08.279	+47 50 53.32	-0.0409	+0.032	4.76	2	5.41	2	5.52	2	DG1		45357	DV	
3123	43 PSI	B0O	15 02 18.094	+27 08 29.75	-0.0132	-0.009	4.55	2	5.78	2	7.12	2	K2III		83645	DV?	
3124	47 -K	B0O	15 03 46.364	+48 20 36.15	-0.0071	+0.028	5.56						A0		45370		
3125	21 NU	LJB	15 03 49.929	-16 03 51.08	-0.0031	-0.025	5.28						K5III		159028		
3126	22	LJB	15 04 01.282	-16 17 30.91	-0.0045	-0.016	6.63	4					A0	4	159030		
3127	T	TRA	15 04 58.521	-68 31 49.90	-0.0355	-0.044	6.97	4					A0	4	253029	DV	
3128	45 -C	B0O	15 05 06.199	+25 03 46.28	+0.0136	-0.171	4.93	2	5.36	2	5.34	2	F5V		83671		
3129	LAM	LUP	15 05 27.871	-45 05 19.99	-0.0015	-0.022	4.050	1	3.870	1	3.190	1	B3V		225483	n	
3130	46 -B	B0O	15 06 14.172	+26 29 30.45	+0.0003	-0.017	5.56						GK2		83682		
3131	KAP- 1	LUP	15 08 26.767	-48 32 57.11	-0.0097	-0.049	3.874	2	3.844	2	3.724	2	B9V		225525	D	93
3132	KAP- 2	LUP	15 08 28.350	-48 33 18.67	-0.0103	-0.042	5.774	2	5.744	2	5.624	2	A0		225526	D	94
3133	ZET	LUP	15 08 40.758	-51 54 37.80	-0.0116	-0.070	3.410	1	4.330	1	4.990	1	G8III		242304	D	
3134	24 IOT	LJB	15 09 21.946	-19 36 13.70	-0.0027	-0.043	4.54	2	4.46	2	4.08	2	A SI		159090	DV?	
3135	-E	LUP	15 09 27.370	-44 18 47.18	-0.0032	-0.031	4.820	1	4.650	1	3.980	1	B3III		225539		
3136	X	TRA	15 09 29.113	-69 53 34.63	+0.0017	-0.011	8.2						NB		253062	V	
3137	FL	SCP	15 09 47.650	+19 09 47.18	-0.0008	+0.006	5.78		7.26	7			M4III	7	101429	V	
3138	25	LJB	15 10 27.954	-19 27 38.01	-0.0037	-0.041	6.08	2	6.20	2			A2		159105		
3139	23	LJB	15 10 32.985	-25 07 19.22	-0.0293	-0.073	6.45	2	7.15	2			DG4		183275		
3140	BW	DRA	15 10 50.377	+62 02 48.55	-0.0247	+0.088	7.9	6					G0	6	16635	DV	
3141	BV	DRA	15 10 50.659	+62 02 32.93	-0.0245	+0.094	7.3	6					G0	6	16636	DV	
3142	Y	SCP	15 11 26.210	-01 42 02.44	-0.0026	-0.009	8.0	4					M5E	4	140398	V	
3143	1 -I	LUP	15 11 33.112	-31 20 01.92	-0.0004	-0.003	4.91	2	5.28	2	5.57	2	F0I		206445		
3144	26	LJB	15 11 44.134	-17 34 59.22	-0.0017	-0.018	6.31		6.290	7			B9		159122		
3145	FI	SCP	15 11 47.691	+00 33 17.46	-0.0014	-0.002	7.99	4	7.99				A0P	6	120910	V	
3146	48 CHI	B0O	15 12 23.619	+29 20 55.85	-0.0053	+0.026	5.19		5.210				A2V		83729		
3147	3	SCP	15 12 42.056	+05 07 25.66	-0.0012	+0.001	5.31						GK0		120916		
3148	DEL	CIR	15 12 52.996	-60 46 24.98	-0.0017	-0.012	5.09	2	5.03	2	4.12	2	O9V		253084	D	
3149	4	SCP	15 13 16.070	+00 33 21.52	-0.0073	+0.013	5.63	2	5.81	2	5.90	2	A3		120920		
3150	EPS	CIR	15 13 24.052	-63 25 39.01	+0.0009	+0.006	4.86	2	6.11	2	7.43	2	GK0		253088		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3151	45 DEL B00	15 13 29.117	+33 30 01.20		+0.0066	-0.116	3.490	1	4.440	1	5.120	1	G8III		64599	UV?	
3152	BET CIR	15 13 34.881	-58 36 58.46		-0.0122	-0.140	4.07	2	4.16	2	4.25	2	A3V		242394		
3153	ES LIB	15 14 03.148	-12 51 21.50		+0.0006	-0.002	7.0	6					A2	6	159146	V	
3154	GAM TRA	15 14 12.588	-68 29 48.82		-0.0110	-0.031	2.890	1	2.900	1	2.870	1	A1V		253097		
3155	27 BET LIB	15 14 18.732	-09 11 58.93		-0.0066	-0.023	2.610	1	2.500	1	2.130	1	B8V		140430		
3156	2 -F LUP	15 14 46.871	-29 57 58.36		-0.0007	-0.010	4.35	2	5.43	2	6.50	2	GK0		193346	V?	
3157	MU LUP	15 15 02.583	-47 41 33.44		-0.0025	-0.040	4.27	2	4.18	2	3.81	2	B8		225638	D	
3158	R TRA	15 15 15.872	-66 18 53.37		-0.0003	-0.022	7.1	4	7.65	7			G0	4	253107	V	
3159	GG LUP	15 15 39.108	-40 36 23.29		-0.0013	-0.027	5.59	2	5.49	2			B9V		225647	V	
3160	U CRB	15 16 08.892	+31 49 43.85		-0.0023	-0.011	7.7	4					B8	4	64619	V	
3161	5 SCP	15 16 45.435	+01 57 11.93		+0.0247	-0.518	5.06	2	5.60	2	5.66	2	FAIV-V		120946	D	
3162	11 GAM- 1 UMI	15 17 07.110	+72 00 19.07		+0.0003	+0.009	5.00						K4III		8207		
3163	26 LIB	15 18 03.244	-17 58 42.19		-0.0009	-0.065	6.17	2	7.19	2			G6B		159187		
3164	1 OMI CRB	15 18 04.325	+29 47 47.25		-0.0094	-0.049	5.51	2	6.53	2	7.30	2	K0III		23768		
3165	DEL LUP	15 18 04.851	-40 28 04.92		-0.0014	-0.032	3.220	1	3.000	1	2.130	1	B2IV		225641	V	
3166	29 OMI LIB	15 18 13.354	-15 22 09.69		+0.0015	-0.021	6.11						A6V		159101		
3167	NU - 2 LUP	15 18 25.192	-48 08 05.84		-0.1615	-0.271	5.65	2	6.30	2			G2V		225697		
3168	6 SCP	15 18 29.065	+00 53 45.38		-0.0030	-0.109	5.35	2	6.54	2	7.76	2	K3III		120955	D	
3169	S LIB	15 18 31.171	-20 12 32.31		-0.0038	+0.011	8.0	4					M2E	4	193401	V	
3170	PHI- 1 LUP	15 18 37.512	-36 04 53.19		-0.0075	-0.087	3.560	1	5.100	1	6.970	1	K5III		206552	D	
3171	NU - 1 LUP	15 18 38.610	-47 44 50.48		-0.0135	-0.139	5.00	2	5.50	2			DF7		225703		
3172	FW LUP	15 19 07.181	-40 44 53.27		-0.0007	-0.013	9.0	6					G0	6	225707	V	
3173	EPS LUP	15 19 16.513	-44 30 40.20		-0.0018	-0.015	3.370	1	3.190	1	2.460	1	P3IV		225712	D	
3174	S SCP	15 19 18.973	+14 29 35.00		+0.0002	-0.001	7.6	4					M5E	4	101503	V	
3175	S CRB	15 19 21.526	+31 32 46.51		-0.0016	-0.010	6.0	4					M7E	4	64652	V	
3176	GAM CIR	15 19 22.622	-59 08 33.15		-0.0014	-0.041	4.51	2	4.70	2	4.35	2	B5+FA		242463	D	
3177	50 B00	15 19 48.345	+33 06 42.07		-0.0043	+0.014	5.26		5.200				B9V		64656		
3178	PHI- 2 LUP	15 19 57.180	-36 40 50.36		-0.0015	-0.025	4.540	1	4.390	1	3.770	1	B5V		206580		
3179	7 SCP	15 20 01.034	+12 44 43.06		-0.0002	-0.011	6.11		6.080				B9.5V		101508		
3180	30 LIB	15 20 14.159	-14 57 24.85		-0.0002	+0.015	6.74	4					K2	4	159212		
3181	13 GAM- 2 UMI	15 20 47.347	+72 00 42.97		-0.0051	+0.019	3.050	1	3.100	1	3.210	1	A3II-III		8220	V?	
3182	GH LUP	15 20 56.507	-52 40 38.86		-0.0005	+0.004	7.6	6					G5	6	242485	V	
3183	2 ETA CRB	15 21 08.253	+30 28 02.35		+0.0104	-0.191	4.98	2	5.56	2	5.60	2	G2V+G2V		64673	D	
3184	8 SCP	15 21 08.845	-00 50 43.12		+0.0049	-0.033	6.12	2	6.38	2	6.43	2	F0V		140502		
3185	UPS LUP	15 21 28.446	-39 32 00.41		-0.0033	-0.050	5.38	2					A0SI		206597	D	
3186	31 EPS LIB	15 21 29.016	-10 08 37.90		-0.0048	-0.158	4.94	2	5.38	2	5.40	2	F5V		159234		
3187	HP TRA	15 21 49.326	-63 15 05.78		-0.0011	+0.004	8.8	6					B8	6	253159	V	
3188	-K LUP	15 22 05.129	-38 33 28.63		-0.0045	-0.029	4.60	2	4.60	2	4.54	2	A0IV		206616		
3189	51 MU - 1 B00	15 22 35.995	+37 33 05.49		-0.0124	+0.084	4.32	2	4.63	2	4.69	2	F0V		64686	D	
3190	51 MU - 2 B00	15 22 37.402	+37 31 18.89		-0.0124	+0.091	6.50	2	7.09	2	7.22	2	DG0		64687	D	
3191	9 TAU- 1 SCP	15 23 28.116	+15 36 09.65		-0.0010	-0.012	5.17	2	6.83	2	8.78	2	M1III		101545		
3192	12 IOT DRA	15 23 48.741	+59 08 26.16		-0.0020	+0.013	3.290	1	4.450	1	5.680	1	K2III		29520		
3193	32 LIB	15 25 25.910	-16 32 36.71		+0.0011	-0.036	5.92						K5III		159280		
3194	3 BET CRB	15 25 45.944	+29 16 37.26		-0.0137	+0.083	3.680	1	3.970	1	4.080	1	F P		83831	V	
3195	KAP- 1 APS	15 26 01.065	-73 13 07.26		+0.0008	-0.019	5.49	2	5.37	2	4.61	2	B3IV		257289	D	
3196	10 SCP	15 26 06.505	+02 00 51.98		-0.0058	-0.042	5.09						A5		121020		
3197	33 LIB	15 26 44.732	-17 16 10.98		-0.0051	+0.007	7.23	4					F0P	4	159292		
3198	34 LIB	15 27 50.843	-16 26 21.35		+0.0011	-0.003	5.86						GG6		159307		
3199	52 NU - 1 B00	15 29 07.882	+41 00 09.24		+0.0006	-0.010	5.02	2	6.61	2	8.52	2	K5III		45580		
3200	12 TAU- 2 SCP	15 29 51.309	+16 13 28.43		-0.0000	+0.005	6.13		6.080				B8V		101600		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAR PROP.	G N
3201	53 NU - 2	B00	15 29 59.475	+41 04 05.26	-0.0019	-0.012	5.02	2	5.09	2	5.20	2	A3		45590		
3202	35 ZET	L1B	15 30 05.435	-16 41 04.86	-0.0009	-0.018	5.50	2	5.36	2			B2VNN		159335		
3203	11 A- 1	SCP	15 30 23.214	-01 01 04.38	-0.0009	-0.039	5.76						G69		140506		
3204	4 THE	CRB	15 30 54.696	+31 31 36.47	-0.0017	-0.015	4.13	2	4.00	2	3.45	2	B7NN		64769		
3205	EI	L1B	15 31 25.452	-22 50 02.58	+0.0006	-0.012	9.2	6					A2		1A3578	V	
3206	RHO	OCT	15 31 26.275	-84 18 14.99	+0.0953	+0.091	5.57	2	5.68	2	5.76	2	A2		258731		
3207	37	L1B	15 31 26.466	-09 53 40.37	+0.0205	-0.241	4.62	2	5.63	2	6.48	2	K1IV		140609		
3208	S	UMI	15 31 28.217	+78 46 55.09	-0.0011	-0.040	9.4	6							8267	V	
3209	36	L1B	15 31 35.056	-27 52 47.95	+0.0011	-0.036	5.19						CK4		1A3580		
3210	GAM	LUP	15 31 47.990	-41 00 00.97	-0.0014	-0.031	2.780	1	2.560	1	1.760	1	B2VN		225938		
3211	PI - 1	UMI	15 32 00.234	+80 36 57.35	-0.0944	+0.115	6.58	2	7.25	2	7.38	2	G0IV-V		2556		
3212	EPS	TRA	15 32 07.105	-66 09 04.08	+0.0048	-0.065	4.11	2	5.28	2	6.44	2	K0III		253226		
3213	PI - 2	UMI	15 32 13.135	+80 37 02.33	-0.0862	+0.105	8.6	4					G5		2558		
3214	R	NOR	15 32 20.943	-49 20 32.94	+0.0023	-0.014	6.4	4					M4E		225948	DV	
3215	13 DEL- 1	SCP	15 32 24.633	+10 42 12.66	-0.0051	-0.007	5.114	1	5.374	1	5.494	1	DF0		101623		146
3216	13 DEL- 2	SCP	15 32 24.681	+10 42 17.82	-0.0051	+0.010	4.184	1	4.444	1	4.564	1	F0IV		101624	DV	147
3217	-D	LUP	15 32 26.018	-44 47 33.65	-0.0024	-0.032	4.540	1	4.360	1	3.680	1	B5IV		225950		
3218	5 ALP	CRB	15 32 34.145	+26 52 54.75	+0.0090	-0.091	2.240	1	2.220	1	2.190	1	A0V		83803	V	
3219	38 GAM	L1B	15 32 43.474	-14 37 27.13	+0.0043	+0.003	3.910	1	4.930	1	5.670	1	G8III-IV		159370	D	
3220	15 THE	UMI	15 32 51.271	+77 30 59.57	-0.0164	+0.009	5.14						K5III		8274		
3221	TW	O-A	15 33 07.061	+64 04 22.49	+0.0009	+0.020	7.8	5					A5+K0III	7	16767	DV	
3222	15 TAU- 3	SCP	15 33 16.933	+17 49 15.29	-0.0055	-0.017	5.96						G68		101631		
3223	6 MU	CRB	15 33 24.732	+39 10 30.26	+0.0021	+0.003	5.22						GM2		64790		
3224	39 UPS	L1B	15 33 58.965	-27 58 15.39	-0.0006	-0.002	3.570	1	4.960	1	6.550	1	K5III		1A3619	D	
3225	14	SCP	15 33 59.546	-00 23 48.98	-0.0020	-0.024	6.51						DF5		140643		
3226	16	SCP	15 34 05.279	+10 10 33.99	+0.0029	-0.132	5.26						K0P		101640		
3227	17 TAU- 4	SCP	15 34 09.067	+15 15 55.98	-0.0005	+0.007	6.84	4					M9	4	101641	V	
3228	18 TAU- 5	SCP	15 34 10.893	+16 17 00.01	+0.0052	-0.011	5.85						A6N		101642		
3229	OME	LUP	15 34 40.555	-42 24 17.46	-0.0131	+0.058	4.33	2	5.76	2	7.48	2	M0III		226004	D	
3230	KAP- 2	APS	15 34 45.861	-73 17 03.30	-0.0026	-0.028	5.65	2	5.61	2	5.23	2	B8IV		257307	D	
3231	SY	CRB	15 34 55.981	+32 44 44.85	+0.0001	-0.029	9.0	6					MC	6	64810	V	
3232	40 TAU	L1B	15 35 34.733	-29 36 53.56	-0.0011	-0.033	3.650	1	3.470	1	2.780	1	B2.5V		1A3649		
3233	41	L1B	15 36 01.533	-19 08 19.16	+0.0059	-0.080	5.38	2	6.24	2	6.78	2	G8III		159411	V?	
3234	54 PHI	B00	15 36 01.742	+40 30 55.00	+0.0052	+0.059	5.24	2	6.12	2	6.65	2	G8III-IV		45643		
3235	3 PSI- 1	LUP	15 36 35.033	-34 15 00.34	+0.0013	-0.004	4.67	2	5.67	2	6.40	2	G68		206843		
3236	KW	CRB	15 37 12.525	+29 47 01.02	-0.0012	-0.005	10.1	7					F8	6	83931	V	
3237	42	L1B	15 37 19.173	-23 39 25.48	-0.0013	-0.018	4.96	2	6.29	2	7.80	2	GK4		183686		
3238	7 ZET- 1	CRB	15 37 29.106	+36 47 52.71	-0.0015	-0.016	6.00		5.880				B6V		64833	D	
3239	7 ZET- 2	CRB	15 37 29.590	+36 47 49.58	-0.0014	-0.009	5.07		4.950				B7V		64834	D	
3240	-G	LUP	15 37 44.506	-44 29 50.11	-0.0167	-0.263	4.640	1	5.040	1	5.020	1	F5IV-V		226064		
3241	19 TAU- 6	SCP	15 38 41.084	+16 11 05.00	+0.0019	-0.017	6.01	2	6.91	2	7.52	2	G5III		101678		
3242	SW	CRB	15 38 55.460	+38 52 41.93	+0.0012	+0.002	7.6	6					K5	6	64844	V	
3243	43 KAP	L1B	15 39 03.636	-19 31 05.62	-0.0027	-0.107	4.72	2	6.30	2	8.24	2	K5III		159442	V?	
3244	VY	DRA	15 39 12.505	+64 49 19.18	+0.0011	+0.011	7.30	4					K2	4	16806	V	
3245	21 IOT	SCP	15 39 19.178	+19 49 48.61	-0.0041	-0.049	4.53	2	4.58	2	4.60	2	A1V		101682	D	
3246	-H	LUP	15 39 22.827	-37 15 57.64	-0.0043	-0.021	5.31						GK0		206887		
3247	20 CHI	SCP	15 39 26.101	+13 00 23.76	+0.0027	-0.015	5.33	2	5.37	2	5.42	2	A P		101683	V	
3248	4 PSI- 2	LUP	15 39 29.406	-34 33 05.21	-0.0017	-0.032	4.750	1	4.610	1	4.070	1	B6V		206889		
3249	RR	CRB	15 39 36.166	+38 43 01.03	+0.0013	-0.035	7.2	4					MB	4	64848	V	
3250	22 TAU- 7	SCP	15 39 39.577	+18 37 19.54	-0.0051	+0.050	5.72						A2		101686		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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3251	HM	NJR	15 39 46.615	-51 41 18.74		+0.0002	-0.023	9.5	6				F0	6	242878	OV	
3252	T	NJR	15 40 11.707	-54 49 44.79		-0.0010	-0.023	6.3	4				M4E	4	242884	V	
3253	FO	LJP	15 40 18.176	-37 00 42.72		+0.0021	-0.036	8.5	6				MR	6	206905	V	
3254	6 GAM	CRB	15 40 38.464	+26 27 10.37		-0.0079	+0.043	3.850	1	3.840	1	3.800	A0IV		83958	OV	
3255	44 ETA	LIB	15 41 15.348	-15 30 53.77		-0.0025	-0.067	5.41	2	5.64	2		A5M		159466		
3256	BP	BQO	15 41 26.985	+52 31 04.72		-0.0075	+0.029	5.39		5.330	7		A0P	6	29628	V	
3257	23 PSI	SCP	15 41 30.642	+02 40 26.89		-0.0055	-0.153	5.74					DG5		121152	D	
3258	24 ALP	SCP	15 41 48.151	+06 34 53.93		+0.0091	+0.044	2.640	1	3.810	1	5.060	K2III		121157	D	
3259	9 PI	CRB	15 42 00.960	+32 40 21.41		-0.0027	-0.013	5.43					GG9		64870		
3260	IN	NJR	15 42 18.889	-51 44 36.80		+0.0010	-0.019	9.7	6						242941	V	
3261	26 TAU- 8	SCP	15 42 25.732	+17 25 12.68		-0.0019	-0.003	5.91		5.910			A0V		101712		
3262	RX	LUP	15 42 55.581	-47 54 04.69		-0.0007	-0.010	10.0	6						226172	V	
3263	25 A- 2	SCP	15 43 30.243	-01 38 56.29		-0.0020	-0.040	5.39	2	5.36	2	4.96	B8		140740		
3264	28 BET	SCP	15 43 52.670	+15 34 37.42		+0.0047	-0.049	3.670	1	3.730	1	3.810	A2IV		101725	D	
3265	27 LAM	SCP	15 44 00.829	+07 30 30.70		-0.0151	-0.068	4.43	2	5.03	2	5.13	G0V		121186	V?	
3266	EP	TRA	15 44 56.831	-64 06 47.84		-0.0032	+0.060	9.0	6				A0	6	253304	V	
3267	31 UPS	SCP	15 44 57.841	+14 16 05.56		-0.0042	+0.036	5.70		5.790			A2V		101739		
3268	IR	NJR	15 45 24.951	-43 56 30.50		-0.0003	-0.013	9.5	6				A3	6	226234	V	
3269	16 ZET	UMI	15 45 47.812	+77 56 57.09		+0.0045	-0.003	4.32	2	4.36	2	4.41	A3V		8328	V?	
3270	30	SCP	15 46 19.438	-03 39 59.75		-0.0024	+0.006	5.53	2	5.65	2	5.76	A M	2	140775		143
3271	35 KAP	SCP	15 46 29.216	+18 17 41.17		-0.0035	-0.091	4.09	2	5.71	2	7.66	GM1	2	101752		
3272	R	CRB	15 46 30.695	+28 18 32.24		-0.0003	-0.017	5.8					F PEP		84015	V	
3273	32 MU	SCP	15 47 00.446	-03 16 42.95		-0.0060	-0.028	3.530	1	3.490	1	3.390	A0V		140787		
3274	10 DEL	CRB	15 47 29.715	+26 13 12.87		-0.0058	-0.070	4.63	2	5.43	2	5.80	G5III-IV		84019		
3275	V	CRB	15 47 44.082	+39 43 22.73		+0.0018	-0.002	6.9	4				M3E	4	64929	V	
3276	34 OME	SCP	15 47 45.897	+02 20 51.72		+0.0019	-0.053	5.23	2	6.25	2	7.07	G8III		121215		
3277	5 CHI	LUP	15 47 46.468	-33 28 35.36		-0.0007	-0.032	3.950	1	3.910	1	3.770	A P		207040		
3278	1 -B	SCO	15 47 57.944	-25 36 02.98		-0.0013	-0.027	4.680	1	4.620	1	3.890	B2.5VN		183854		
3279	37 EPS	SCP	15 48 19.243	+04 37 36.85		+0.0084	+0.061	3.700	1	3.860	1	3.950	A M		121218		
3280	R	SCP	15 48 23.245	+15 17 02.69		-0.0004	-0.044	5.6					GM7E		101771	OV	
3281	36 -B	SCP	15 48 39.134	-02 56 25.99		-0.0060	-0.029	5.11	2	5.23	2	5.30	A2	2	140801		
3282	38 RHO	SCP	15 49 04.028	+21 07 37.15		-0.0038	+0.016	4.78	2	6.32	2	8.20	K5III		84037		
3283	ST	HER	15 49 16.687	+48 37 59.07		+0.0002	-0.007	6.8	4				MC	4	45758	V	
3284	11 KAP	CRB	15 49 20.761	+35 48 41.15		-0.0010	-0.351	4.82	2	5.82	2	6.69	K0III-IV		64948		
3285	45 LAM	LIB	15 50 25.602	-20 01 08.70		-0.0008	-0.027	5.03	2	5.02	2		B3V		183895		
3286	KAP	TRA	15 50 31.428	-68 27 23.27		-0.0009	-0.014	5.09	2	6.22	2	7.15	CG6		253342		
3287	2 A	SCO	15 50 36.264	-25 10 45.87		-0.0011	-0.028	4.590	1	4.530	1	3.860	B2.5VN		183896		
3288	BET	TRA	15 50 42.980	-63 16 42.59		-0.0278	-0.396	2.850	1	3.140	1	3.190	F2IV		253346		
3289	R	LIB	15 50 45.767	-16 05 19.49		-0.0021	+0.014	9.5	4						159561	V	
3290	39	SCP	15 50 52.213	+13 21 07.17		-0.0104	-0.559	6.10	2	6.70	2	6.70	G2V		101792		
3291	1 CHI	HER	15 50 56.688	+42 35 25.78		+0.0396	+0.628	4.62	2	5.19	2	5.19	F9V		45772		
3292	46 THE	LIB	15 50 58.435	-16 35 02.80		+0.0068	+0.129	4.16	2	5.17	2	5.99	K0III-IV		159563		
3293	3	SCO	15 51 39.067	-25 05 49.31		-0.0009	-0.025	5.88		5.820			B7IV?		183914		
3294	47	LIB	15 52 06.681	-19 14 12.69		-0.0012	-0.024	5.93	2	5.91	2		B5V?		159572	D	
3295	40	SCP	15 52 15.147	+08 43 34.59		-0.0001	-0.002	6.29	2	6.47	2	6.56	A2		121254		
3296	4	SCO	15 52 28.423	-26 07 12.41		-0.0033	-0.024	5.61					A3		183931		
3297	2	HER	15 52 57.713	+43 16 59.72		-0.0034	+0.062	5.38	2	7.02	2	8.99	GM3		45788		
3298	XI - 1	LUP	15 53 41.256	-33 49 17.51		+0.0015	-0.045	5.177	2	5.267	2	5.347	A1		207144	D	95
3299	XI - 2	LUP	15 53 41.908	-33 49 10.11		+0.0016	-0.042	5.538	2	5.628	2	5.708	A0		207145	D	96
3300	5 RHO	SCO	15 53 47.507	-29 04 10.42		-0.0006	-0.021	3.860	1	3.660	1	2.840	B2V		183957	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IJV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3301	4	HLR	15 53 49.450	+42 42 38.23	-0.0027	+0.013	5.58	2	5.460				B8		45790		
3302	12 LAM	CRB	15 53 58.374	+38 05 25.28	+0.0029	+0.079	5.45	2	5.78	2	5.81	2	F2		64974		
3303	41 GAY	SCP	15 54 08.455	+15 49 24.77	+0.0212	-1.285	3.860	1	4.340	1	4.310	1	F6IV-V		101826		
3304	PHI	SCP	15 54 56.014	+14 33 23.38	-0.0084	+0.085	5.54		6.680				K1IV		101834		
3305	48 FX	LIB	15 55 23.102	-14 08 11.73	-0.0010	-0.019	4.87	2	4.77	2	4.61	2	B P		159607	V	
3306	13 EPS	CRB	15 55 30.926	+27 01 17.43	-0.0058	-0.063	4.15	2	5.38	2	6.66	2	K3III		84098	D	
3307	6 PI	SCO	15 55 49.301	-25 58 18.14	-0.0007	-0.027	2.910	1	2.710	1	1.820	1	B1V		183987	DV?	
3308	17	UMI	15 56 10.522	+75 43 05.22	+0.0014	-0.016	6.94	4					G5	4	8376		
3309	CL	DRA	15 56 36.000	+54 53 25.23	-0.0182	+0.108	4.95	2	5.21	2	5.25	2	F0IV		29727	V	
3310	RS	CRB	15 56 39.081	+36 09 48.48	-0.0054	-0.017	8.3	6					M7	7	64995	V	
3311	S	TRA	15 56 40.169	-63 38 10.05	-0.0001	-0.006	5.90		6.600				G5		253377	V	
3312	ETA- 1	LUP	15 56 48.024	-38 15 19.98	-0.0019	-0.034	3.410	1	3.190	1	2.350	1	B2V		207208	D	
3313	ETA- 2	LUP	15 56 48.448	-38 15 05.34	-0.0027	-0.027	7.69	4							207209	D	
3314	7 DEL	SCO	15 57 22.318	-22 28 51.37	-0.0007	-0.025	2.320	1	2.200	1	1.300	1	B0V		184014		
3315	T	CRB	15 57 24.505	+26 03 39.04	-0.0005	+0.011	2.0						PEC		84129	V	
3316	49	LIB	15 57 30.952	-16 23 15.25	-0.0442	-0.396	5.48	2	6.00	2	6.02	2	F8V		159625		
3317	50	LIB	15 58 05.433	-08 16 17.12	-0.0012	-0.018	5.55	2	5.60	2	5.55	2	A0		140897		
3318	5 -R	HER	15 58 59.371	+17 57 18.89	-0.0036	+0.150	5.12	2	6.10	2	6.84	2	K0III		101879		
3319	15 RHO	CRB	15 59 07.834	+33 27 12.17	-0.0159	-0.768	5.40	2	6.00	2	6.09	2	G2V		65024		
3320	10T- 1C	NOR	15 59 25.747	-57 38 13.89	-0.0171	-0.066	8.5	4							243278	D	
3321	14 10T	CRB	15 59 26.313	+29 59 23.42	-0.0023	-0.010	4.98	2	4.91	2	4.71	2	A0II-III		84152	V?	
3322	10T- 1AB	NOR	15 59 27.038	-57 38 11.18	-0.0148	-0.085	4.63	2	4.87	2	4.96	2	A5V		243279	D	
3323	ETA	NOR	15 59 31.678	-49 05 31.58	+0.0031	+0.004	4.65	2	5.57	2	6.20	2	G65		226466		
3324	44 PI	SCP	16 00 08.407	+22 56 30.96	+0.0009	+0.020	4.83	2	4.90	2	4.95	2	A3V		84155		
3325	TV	NOR	16 00 22.362	-51 24 27.35	-0.0008	-0.012	8.7	6					A0	6	243289	V	
3326	13 THE	DRA	16 00 56.829	+58 41 53.68	-0.0417	+0.336	4.030	1	4.550	1	4.650	1	F8IV-V		29765		
3327	X	HER	16 01 08.845	+47 22 35.81	-0.0047	+0.058	5.8	4					MC	4	45863	V	
3328	UPS	HER	16 01 14.296	+46 10 28.68	+0.0048	-0.062	4.76	2	4.65	2	4.33	2	A P		45865		
3329	43	SCP	16 01 17.164	+05 07 23.03	-0.0029	+0.010	6.01						G9III		121339	D	
3330	Z	NOR	16 01 22.456	-46 09 27.40	-0.0004	+0.006	9.3	7					B5	6	226485	V	
3331	AG	DRA	16 01 23.225	+66 56 24.86	-0.0040	-0.041	9.4	6							16931	V	
3332	XI - 1	SCO	16 01 36.889	-11 14 12.28	-0.0043	-0.033	4.17	2	4.64	2	4.65	2	F5IV+F5IV		159665	D	140
3333	XI - 2	SCO	16 01 37.342	-11 14 08.07	-0.0047	-0.018	7.2						DG7		159666	D	
3334	8 BET- 1	SCO	16 02 31.507	-19 40 12.45	-0.0004	-0.021	2.714	1	2.628	1	1.774	1	B0.5V		159682	DV?	138
3335	8 BET- 2	SCO	16 02 31.857	-19 40 00.07	-0.0014	-0.023	5.004	1	4.978	1	4.064	1	B2V		159683	DV?	139
3336	RR	HER	16 02 50.633	+50 38 03.27	-0.0004	-0.041	8.8	6					N2F	6	29781	V	
3337	U	TRA	16 02 51.183	-62 46 36.64	+0.0045	-0.019	8.0	4	8.39	7			F5	4	253430	V	
3338	DEL	NOR	16 02 56.883	-45 02 21.78	+0.0002	+0.027	4.72	2	4.95	2	5.10	2	A M		226500		
3339	THE	LUP	16 03 18.108	-36 40 04.52	-0.0016	-0.033	4.230	1	4.050	1	3.370	1	B2VN		207332		
3340	9 OME- 1	SCO	16 03 52.659	-20 32 07.11	-0.0007	-0.024	3.955	1	3.912	1	3.092	1	F1V		184123		
3341	R	HER	16 03 57.571	+18 30 14.37	+0.0021	-0.013	8.0	4					M6E	4	101927	V	
3342	10 OME- 2	SCO	16 04 28.091	-20 44 06.53	+0.0029	-0.041	4.33	2	5.17	2	5.68	2	G62		184135	V?	
3343	11	SCO	16 04 49.538	-12 36 44.95	-0.0033	-0.033	5.64						A0		159715	D	
3344	16	UMI	16 05 08.302	+76 55 40.90	-0.0080	+0.015	5.53						A0		8417		
3345	10T- 2	NOR	16 05 11.054	-57 48 06.60	-0.0015	-0.055	5.79						B9V		243368		
3346	V 856	SCO	16 05 13.026	-38 57 38.55	-0.0024	-0.037	6.71						A0	6	207368	DV	
3347	45	SCP	16 05 14.163	+10 01 27.17	-0.0013	-0.011	5.63						A5		101939		
3348	SX	HER	16 05 20.916	+25 02 28.14	-0.0007	-0.047	8.6	7					G3EP-K0	7	84204	V	
3349	46	SCP	16 05 42.574	+10 12 45.94	-0.0021	-0.029	6.67	4					A3	4	101947		
3350	7 KAP- 1	HER	16 05 48.989	+17 10 43.81	-0.0022	-0.011	5.34						G8III		101951	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
3351	7 KAP- 2	HER	16 05 49.369	+17 11 12.00	-0.0022	-0.031	6.52						GK2		101952	7	
3352	47	SCP	16 06 03.226	+08 39 57.00	-0.0013	-0.012	5.69						GM3		121383	V?	
3353	V	NOR	16 06 19.661	-49 06 21.46	-0.0001	-0.001	10.0	7					MR	6	226545	V	
3354	8	HER	16 06 31.239	+17 20 13.86	-0.0015	-0.029	6.02		6.020				ANV		101962		
3355	16 TAU	CRB	16 07 08.471	+36 37 00.60	-0.0047	+0.328	4.76	2	5.77	2	6.64	2	K0III		65108	DV?	
3356	11 PHI	HER	16 07 11.504	+45 03 54.26	-0.0028	+0.035	4.27	2	4.20	2	3.92	2	A P	4	45911		
3357	14	HER	16 08 46.841	+43 57 02.50	+0.0114	-0.304	6.54	4					K0		45933		
3358	14 NU - 1	SCO	16 09 03.949	-19 19 17.45	-0.0008	-0.012	4.00	2	4.05	2	3.43	2	A0IV		159763	n	
3359	14 NU - 2	SCO	16 09 05.091	-19 19 56.20	-0.0008	-0.026	4.010	1	4.040	1	3.400	1	B2IV-V		159764	n	
3360	12 -C- 1	SCO	16 09 10.231	-28 17 20.33	-0.0023	-0.046	5.69	2	5.71	2			B9V		184217	DV?	
3361	-Q	HER	16 09 12.784	+16 47 37.67	+0.0003	+0.001	5.92		5.940				A0V		101994		
3362	13 -C- 2	SCO	16 09 13.074	-27 47 53.94	-0.0009	-0.028	4.590	1	4.430	1	3.690	1	B2.5VN		184221		
3363	15 PSI	SCO	16 09 15.770	-09 56 10.17	-0.0006	-0.017	4.93	2	5.02	2	5.12	2	A2V		141022		
3364	ZET	NOR	16 09 22.975	-55 24 47.66	-0.0118	-0.043	5.81	2	6.15	2			F2IV		243449		
3365	16	SCO	16 09 24.502	-08 25 11.52	+0.0026	-0.001	5.49						A3		141024		
3366	10 LO	HER	16 09 30.172	+23 37 22.22	-0.0022	-0.014	5.96						GM4		84240	V	
3367	KAP	NOR	16 09 31.393	-54 30 11.60	+0.0002	-0.027	5.09						G4III		243454	n	
3368	V 718	SCO	16 10 13.306	-22 21 28.89	-0.0011	-0.003	8.5	6					A2	6	184232	V	
3369	BR	SCO	16 10 26.866	-10 12 40.51	-0.0019	+0.026	8.8	6					MR	6	159785	V	
3370	9	HER	16 10 46.847	+05 08 50.90	+0.0028	-0.009	5.48						GK5		121431		
3371	DEL	TRA	16 10 52.116	-63 33 37.10	+0.0015	-0.014	3.850	1	4.960	1	5.830	1	G2II		253474	n	14.1
3372	49	SCP	16 10 58.381	+13 39 35.12	+0.0122	-0.412	6.84	4					K0	4	102018	n	
3373	17 CHI	SCO	16 11 04.686	-11 42 41.93	-0.0009	-0.010	5.50						K3III		159793		
3374	THE	NOR	16 11 36.960	-47 14 47.68	-0.0031	-0.052	5.36						B8		226600		
3375	1 DEL	OPH	16 11 43.325	-03 34 01.41	-0.0032	-0.145	2.750	1	4.340	1	6.300	1	M1III		141052		
3376	19	UMI	16 12 13.173	+76 00 15.27	-0.0019	+0.012	5.48		5.330				R8		8446		
3377	12	HER	16 12 16.843	+07 58 59.09	-0.0011	-0.008	6.84	4					K0	4	121451		
3378	DEL- 1	APS	16 12 48.049	-78 34 25.65	-0.0017	-0.037	4.67	2	6.36	2	8.04	2	M4III		257340	n	
3379	17 SIG	CRB	16 12 48.252	+33 59 02.61	-0.0221	-0.080	5.367						DF6+DG1		65165	DV?	52
3380	18	SCO	16 12 53.968	-08 14 19.23	+0.0154	-0.505	5.49	2	6.14	2	6.31	2	DG1		141066	DV?	
3381	DEL- 2	APS	16 12 54.659	-78 32 44.26	+0.0004	-0.024	5.27	2	6.68	2	8.30	2	K5III?		257341	n	
3382	16	HER	16 13 15.577	+18 55 59.34	-0.0046	-0.080	5.72						GK3		102040		
3383	GAM- 1	NOR	16 13 15.670	-49 56 42.44	-0.0003	-0.005	4.99	2	5.79	2	6.30	2	F8IAR		226619		
3384	SX	CRB	16 13 29.530	+33 27 13.81	-0.0014	-0.011	8.8	6					K0	4	65175	V	
3385	15	HER	16 13 36.386	+11 32 52.74	-0.0030	+0.042	7.50	4					K0		102046		
3386	20	UMI	16 13 45.917	+75 20 06.82	-0.0123	+0.033	6.35						GK3	6	8452		
3387	SW	OPH	16 13 46.972	-06 51 19.65	+0.0014	-0.020	9.0	6					A0	4	141070	V	
3388	17	HER	16 14 08.665	+23 14 44.81	-0.0010	-0.014	6.59	4					K0		84274		
3389	S	NOR	16 14 42.480	-57 46 42.59	+0.0007	-0.002	6.10		7.000				G60		243586	V	
3390	18 UPS	CRB	16 14 44.468	+29 16 21.84	+0.0013	-0.020	5.78	2	5.85	2	5.95	2	A3V		84281	n	
3391	-U	SCO	16 15 11.495	-28 29 29.28	-0.0022	-0.106	4.77	2	4.79	2	4.78	2	A0V		184301		
3392	2 EPS	OPH	16 15 40.348	-04 34 19.57	+0.0054	+0.039	3.230	1	4.210	1	4.960	1	G9III		141086		
3393	LAM	NOR	16 15 48.406	-42 33 12.05	+0.0014	-0.013	5.45	2	5.55	2			A3VN		226650		
3394	GAM- 2	NOR	16 16 05.341	-50 02 05.68	-0.0162	-0.055	4.02	2	5.10	2	6.27	2	G8III		243643	n	
3395	19	HER	16 16 19.169	+26 01 02.13	-0.0006	+0.001	6.63	4					G5	4	84295		
3396	AT	DRA	16 16 24.952	+59 52 32.55	+0.0001	+0.023	5.51						GM4		29874	V	
3397	19 OMI	SCO	16 17 37.370	-24 03 02.03	-0.0002	-0.026	4.570	1	5.410	1	6.070	1	A5III		184329		
3398	20 SIG	SCO	16 18 08.667	-25 28 28.14	-0.0007	-0.023	2.880	1	3.010	1	2.320	1	B1III		184336	DV	
3399	22 TAU	HER	16 18 14.106	+46 25 53.60	-0.0016	+0.037	3.900	1	3.750	1	3.180	1	B5IV		46028	DV?	
3400	21 ETA	UMI	16 18 56.288	+75 52 16.64	-0.0232	+0.250	4.97						DA8		8470		

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STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISU-L MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	G N
3401	51 SIG	SCP	16 19 32.244	+01 08 42.37	-0.0105	+0.049	4.82	2	5.16	2	5.18	2	F0V		121540		
3402	20 GAM	HER	16 19 42.737	+19 16 09.32	-0.0033	+0.042	3.760	1	4.030	1	4.220	1	A9III		102107	OV?	
3403	19 XI	CRB	16 20 08.817	+31 00 25.01	-0.0076	+0.111	4.85	2	5.82	2	6.62	2	K0III		65254		
3404	20 NU - 1	CRB	16 20 28.367	+33 54 56.32	+0.0003	-0.040	5.32						GM2		65257		
3405	21 NU - 2	CRB	16 20 36.066	+33 49 07.65	-0.0008	+0.056	5.32						K5III		65259		
3406	23	HER	16 21 01.191	+32 26 54.77	+0.0014	-0.010	6.12		6.180				A3V		65262	n	76
3407	RY	CRB	16 21 07.838	+30 57 55.51	-0.0000	+0.009	9.2	6							65266	v	
3408	4 PSI	OPH	16 21 10.365	-19 55 19.12	-0.0020	-0.050	4.50	2	5.53	2	6.37	2	K0III		150892		
3409	W	UMI	16 21 11.053	+86 19 22.57	-0.0103	+0.010	8.7	6					A0		2602	v	
3410	V 760	SCO	16 21 27.670	-34 46 45.73	+0.0016	-0.024	7.1	6					B8		207641	v	
3411	21 -0	HER	16 21 44.526	+07 03 44.55	+0.0000	+0.014	5.85	2	5.84	2	5.85	2	A0		121568		
3412	RHO- 1	OPH	16 22 24.076	-23 20 48.42	-0.0007	-0.040	6.56						B3V		184377	n	110
3413	5 RHO- 2	OPH	16 22 34.893	-23 19 57.72	-0.0005	-0.020	5.788	2	6.008	2	5.458	2	B2V		184381	n	111
3414	5 RHO- 3	OPH	16 22 34.963	-23 20 01.41	-0.0002	-0.021	5.088	2	5.308	2	4.758	2	B3IV		184382	n	
3415	RHO- 4	OPH	16 22 35.008	-23 17 30.47	+0.0005	-0.032	7.13	4					A		253554		
3416	ZET	TRA	16 23 03.880	-69 58 28.74	+0.0404	+0.101	4.91	2	5.46	2	5.49	2	G0V		84366	v	
3417	BE	HER	16 23 05.610	+29 21 51.11	-0.0006	-0.023	9.0	6					M3		102153	n	
3418	24 OME	HER	16 23 06.363	+14 08 49.24	+0.0030	-0.063	4.58	2	4.57	2	4.53	2	A P		253555	n	
3419	IOT	TRA	16 23 17.563	-63 56 48.61	+0.0083	+0.025	5.30						DF4		17074	OV?	
3420	14 ETA	DRA	16 23 18.476	+61 37 37.10	-0.0033	+0.059	2.740	1	3.650	1	4.350	1	G8III		226772	n	105
3421	EPS- 1	NOR	16 23 29.386	-47 26 12.79	-0.0027	-0.021	7.218	2	7.148	2	6.618	2	A		226773	n	106
3422	EPS- 2	NOR	16 23 30.537	-47 26 34.34	-0.0004	-0.030	4.560	2	4.490	2	3.960	2	B3V		102160	v	
3423	U	HER	16 23 34.862	+19 00 18.01	+0.0015	-0.006	6.7						GM7F		65290		
3424	25	HER	16 23 37.134	+37 30 24.63	-0.0002	-0.012	5.48						A3		150916	v	
3425	V	OPH	16 23 56.577	-12 18 54.74	+0.0006	-0.012	6.9	4					N3F		150918	v	
3426	7 CHI	OPH	16 24 07.286	-18 20 40.22	-0.0008	-0.029	4.43	2	4.71	2	3.95	2	B2VE		141187	n	
3427	3 UPS	OPH	16 25 05.723	-08 15 40.86	-0.0052	+0.007	4.63	2	4.79	2	4.85	2	A M		257407		
3428	GAM	APS	16 25 42.782	-78 47 20.30	-0.0404	-0.069	3.880	1	4.790	1	5.410	1	K0IV		184415	OV	
3429	21 ALP	SCO	16 26 20.206	-26 19 21.95	-0.0005	-0.023	0.910	1	2.750	1	4.080	1	M1IB		46108	v	
3430	30 -G	HER	16 26 59.842	+41 59 26.71	+0.0021	-0.003	5.01	2	6.53	2	7.70	2	M6III		184429		
3431	22 -I	SCO	16 27 09.899	-25 00 24.44	-0.0005	-0.024	4.790	1	4.720	1	3.930	1	B2V		84411	V?	
3432	27 BET	HER	16 28 04.105	+21 35 50.16	-0.0071	-0.017	2.770	1	3.710	1	4.400	1	G8III		17107		
3433	15 A	DRA	16 28 04.164	+68 52 34.82	-0.0058	+0.034	5.01	2	4.95	2	4.84	2	B9IV		207732		
3434	N	SCO	16 28 06.546	-34 35 50.07	-0.0008	-0.017	4.230	1	4.070	1	3.270	1	B2IV		159963		
3435	8 PHI	OPH	16 28 16.379	-16 30 19.16	-0.0037	-0.038	4.27	2	5.19	2	5.90	2	G8III		84416	V?	
3436	-S	HER	16 28 23.219	+20 35 14.15	-0.0056	-0.065	5.16						G8IIP		121658	D	
3437	10 LAM	OPH	16 28 23.341	+02 05 31.06	-0.0020	-0.075	3.830	1	3.840	1	3.860	1	A1V		46128		
3438	34	HER	16 28 43.475	+49 04 08.18	-0.0056	-0.064	6.22						A0		184450		
3439	9 OME	OPH	16 29 10.062	-21 21 39.92	+0.0009	+0.034	4.45	2	4.56	2	4.69	2	A P		65360		
3440	31	HER	16 29 37.876	+33 37 10.59	-0.0024	-0.020	6.74	4					A0		121676		
3441	28 -N	HER	16 30 07.906	+05 37 34.43	+0.0011	-0.002	5.52		5.470				B8		65366	v	
3442	GN	HER	16 30 12.553	+38 57 48.65	+0.0008	-0.002	8.3	6							102234		
3443	29 -H	HER	16 30 15.764	+11 35 38.47	-0.0121	-0.080	4.85	2	6.34	2	8.16	2	K4III		226900		
3444	MU	NOR	16 30 31.335	-43 56 28.69	-0.0009	-0.005	4.87		4.970				B0IA		253614		
3445	THE	TRA	16 30 54.840	-65 23 32.26	+0.0057	-0.042	5.52	2	6.45	2	7.18	2	G69		159981	v	
3446	S	OPH	16 31 22.388	-17 03 26.57	-0.0007	-0.003	8.3	4					A2		65379	v	
3447	UY	HER	16 31 26.500	+38 10 30.58	-0.0014	-0.011	8.6	6					F0		65380	D	
3448	32	HER	16 31 32.078	+30 36 09.90	-0.0031	-0.006	6.66	4					B9V		46161	V?	
3449	35 SIG	HER	16 32 29.324	+42 32 21.08	-0.0013	+0.044	4.20	2	4.19	2	4.09	2	M6E		17137	v	
3450	R	DRA	16 32 31.281	+66 51 28.55	-0.0060	-0.046	6.4	4									

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAP PROP.	S N
3451	23 TAU	SCO	16 32 45.906	-28 06 50.56	-0.0006	-0.025	2.810	1	2.560	1	1.550	1	R0V	6	1844A1		
3452	TZ	HER	16 32 49.873	+38 05 52.93	-0.0002	-0.029	8.1	6					F5	6	65401	V	
3453	H	SCO	16 33 04.723	-35 09 16.05	+0.0018	-0.002	4.16	2	5.73	2	7.67	2	GK5	4	207814	V	
3454	W	HER	16 33 26.023	+37 26 48.02	-0.0025	+0.003	7.4	4					M3E		65409	V	
3455	12	OPH	16 33 43.676	-02 13 10.02	+0.0303	-0.315	5.74	2	6.55	2	7.00	2	K0V		141269		
3456	TY	HER	16 33 52.782	+13 24 47.59	-0.0032	+0.008	8.4	6							102266	V	
3457	UU	HER	16 34 12.172	+38 04 04.89	-0.0024	-0.020	8.5	6							65424	V	
3458	TX	DRA	16 34 17.446	+60 34 09.68	-0.0076	+0.018	6.8	4					M5	4	17155	V	
3459	13 ZET	OPH	16 34 24.137	-10 28 02.81	+0.0008	+0.023	2.560	1	2.580	1	1.730	1	09.5V	4	160006		
3460	Y	HER	16 34 25.719	+07 12 26.72	-0.0013	+0.002	6.9	4					B9	7	121728	V	
3461	V 600	HER	16 34 40.575	+14 34 30.42	-0.0004	+0.005	6.59						B0.5III	6	102273	V	
3462	V 349	ARA	16 34 56.592	-60 51 46.86	+0.0012	-0.015	8.7	6					A3	6	253649	V	
3463	16	DRA	16 35 00.278	+52 59 59.51	-0.0017	+0.031	5.65						A0		30012		
3464	17	DRA	16 35 02.648	+53 01 27.11	-0.0017	+0.025	5.202						A0+A0		30013		63
3465	R	ARA	16 35 34.799	-56 53 45.99	-0.0010	-0.005	6.8	4					B9	4	244037	V	
3466	BET	APS	16 35 53.074	-77 25 00.28	-0.0859	-0.347	4.24	2	5.30	2	6.25	2	K0III		257424		
3467	ETA	TRA	16 36 12.524	-68 11 57.64	+0.0006	-0.014	5.91	2	5.83	2	5.41	2	B7IV		253649		
3468	42	HER	16 37 23.247	+49 01 31.30	-0.0051	+0.031	5.92						GM2	7	46210		
3469	SU	SCO	16 37 25.273	-32 17 01.11	+0.0021	+0.011	11.7	7					N0		207911	V	
3470	36 -M- 1	HER	16 38 06.024	+04 18 11.75	-0.0003	-0.012	6.86						DA5		121774		
3471	37 -M- 2	HER	16 38 09.580	+04 18 56.86	-0.0002	-0.014	5.73						A0		121776	D	
3472	WW	DRA	16 38 21.839	+60 47 49.66	+0.0009	-0.062	9.3	4	10.270	7			G5	4	17176	OV	
3473	24	SCO	16 38 40.639	-17 38 49.50	-0.0016	+0.004	5.04						G8II		160046		136
3474	AX	SCO	16 38 43.893	-27 00 37.01	-0.0016	+0.009	8.6	6					M5	6	184551	V	
3475	V 502	OPH	16 38 47.782	+00 36 08.53	-0.0012	+0.020	8.8	6					G0	6	121744	V	
3476	14	OPH	16 39 10.361	+01 16 30.79	-0.0071	+0.051	5.77						DF2		121700		
3477	40 ZET	HER	16 39 23.988	+31 41 32.11	-0.0369	+0.394	2.810	1	3.460	1	3.670	1	G0IV		65485	DV?	
3478	39	HER	16 39 34.878	+27 00 43.06	+0.0000	-0.045	5.90						DF2		44543		
3479	18 -G	DRA	16 40 33.945	+64 41 00.90	-0.0006	-0.017	4.83						K1P		17188		
3480	44 ETA	HER	16 41 10.779	+39 00 58.79	+0.0028	-0.083	3.500	1	4.420	1	5.030	1	G7III-IV	6	65504		
3481	V 449	HER	16 41 16.464	+48 29 58.02	+0.0000	+0.006	8.2	6					MA	6	46239	V	
3482	AZ	DRA	16 41 30.887	+72 45 55.81	+0.0010	+0.005	6.9	6					M0	6	8598	V	
3483	15	OPH	16 42 07.949	-23 05 33.07	-0.0019	-0.021	6.89	4					F5	4	184607		
3484	41	HER	16 42 33.716	+06 10 57.17	-0.0142	-0.266	6.71	4					G5	4	121831		
3485	16	OPH	16 42 57.086	+01 06 37.85	-0.0000	+0.011	5.96		5.950				B9		121834		
3486	ALP	TRA	16 43 21.059	-68 56 19.89	+0.0052	-0.034	1.920	1	3.360	1	4.910	1	K4III		253700		
3487	43 -I	HER	16 43 25.712	+08 40 20.34	-0.0001	+0.014	5.15	2	6.68	2	8.62	2	K5III		121843		
3488	25	SCO	16 43 47.404	-25 26 21.43	-0.0003	-0.016	6.57						G66		184630		
3489	19	OPH	16 44 38.330	+02 09 11.52	-0.0011	-0.014	5.98						A2		121859		
3490	45 -L	HER	16 45 18.566	+05 20 05.94	-0.0014	-0.039	5.24		5.220				A P		121865		
3491	ETA	ARA	16 45 27.405	-58 57 16.37	+0.0053	-0.031	3.760	1	5.330	1	7.250	1	K5III		244168	D	
3492	V 636	HER	16 45 43.605	+42 19 37.19	-0.0003	-0.024	5.98		7.58	7			M4		46288	V	
3493	V1010	OPH	16 46 36.157	-15 34 54.81	+0.0007	+0.028	6.11						A3		160116	V	
3494	16	OPH	16 46 41.565	-24 33 16.27	-0.0002	-0.016	7.02	4					A2	4	1846A3		
3495	26 EPS	SCO	16 46 55.206	-34 12 15.56	-0.0492	-0.255	2.290	1	3.450	1	4.610	1	K2III-IV		208078	V?	
3496	20	OPH	16 47 03.867	-10 41 46.42	+0.0063	-0.096	4.66	2	5.13	2	5.20	2	F5IV-V		160118		
3497	48	HER	16 47 18.435	+30 02 57.47	-0.0053	+0.076	6.68	4					K2	4	65577		
3498	AH	DRA	16 47 23.997	+57 53 59.21	-0.0017	-0.012	7.5	6					M5	6	30107	V	
3499	52	HER	16 47 46.246	+46 04 10.06	+0.0019	-0.057	4.82	2	4.91	2	4.93	2	A2P	7	46305	DV	
3500	47 -K	HER	16 47 53.570	+07 19 57.13	+0.0034	-0.012	5.49	2	5.59	2	5.70	2	A M		121895	V?	

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY PIG-IT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SAR C.T. NO.	CTAP PROP.	R N
3501	V 610 ARA	16 47 58.531	-57 10 41.03		-0.0021	+0.041	9.1	6					F0	6	204210	V	
3502	MU - 1 SCO	16 48 28.679	-37 57 48.92		-0.0010	-0.029	3.030	1	2.810	1	1.930	1	B1.5V		208102	~V	
3503	50 HER	16 48 41.747	+29 53 26.33		-0.0005	-0.002	5.66						GM1		24641		
3504	21 OPH	16 48 52.612	+01 17 59.36		-0.0017	-0.006	5.51	2	5.56	2	5.59	2	A0		121911		
3505	MU - 2 SCO	16 48 56.599	-37 56 03.17		-0.0009	-0.025	3.570	1	3.360	1	2.520	1	B2IV		208116		
3506	S HER	16 49 37.136	+15 01 27.77		+0.0003	-0.006	5.9	4					M6E	4	102434	V	
3507	51 HER	16 49 40.785	+24 44 21.21		+0.0009	+0.005	5.06						K2III-III		24651		
3508	49 HER	16 49 48.129	+15 03 24.26		+0.0011	+0.002	6.38		6.330				A P		102435		
3509	ZET- 1 SCO	16 50 27.727	-42 16 51.19		+0.0003	-0.005	4.80		5.240				B1IAE		227375	V?	
3510	22 EPS UMI	16 51 00.905	+82 07 21.53		+0.0052	+0.003	4.23	2	5.13	2	5.68	2	G5III		2770	OV	
3511	ZET- 2 SCO	16 51 03.544	-42 16 39.85		-0.0113	-0.236	3.590	1	4.950	1	6.560	1	K5III		227402		
3512	53 AK HER	16 51 04.150	+31 46 59.65		-0.0075	-0.019	5.28						DA8	6	65627		
3513	25 IOT SCO	16 51 23.121	-36 48 28.55		-0.0018	-0.046	8.8	7					G0		208174	V	
3514	22 AK OPH	16 51 38.391	+10 14 46.44		-0.0036	-0.038	4.38	2	4.30	2	3.98	2	BAV		102458	V?	
3515	25 IOT OPH	16 51 49.250	-23 25 55.27		-0.0011	-0.031	7.04	4					K0	4	184786		
3516	23 OPH	16 51 55.158	-06 04 25.31		-0.0025	-0.020	5.35						K2III	4	141431	V	
3517	KS SCO	16 51 59.822	-45 01 22.90		+0.0047	-0.029	6.5	4					M6E	4	227442	V	
3518	SS SCO	16 52 00.589	-32 33 03.43		-0.0005	-0.011	10.	7					K2	7	208198	V	
3519	SY OPH	16 52 07.213	-21 53 24.55		-0.0000	-0.015	8.7	6					M4	6	184796	V	
3520	IT HER	16 52 08.605	+16 55 01.80		+0.0007	-0.055	9.3	6							102464		
3521	V1054 OPH	16 52 48.459	-08 14 42.22		+0.0007	-0.055	9.1	6	10.7	7	11.76	7	K5P	6	141430	OV	
3522	V 380 SCO	16 52 56.860	-30 14 24.62		-0.0007	-0.041	9.5	7					MA	6	208209	V	
3523	56 HER	16 52 59.215	+25 48 35.84		+0.0009	-0.022	6.08	2	7.00	2	7.62	2	G5III		24692	D	
3524	V 861 SCO	16 53 06.857	-40 44 43.52		+0.0004	-0.010	6.11	2	6.38	2			B0IAP?		227473	V	
3525	54 HER	16 53 10.220	+18 30 42.58		-0.0078	+0.012	5.35	2	6.76	2	8.42	2	K4III		102476	D	
3526	KR SCO	16 53 26.307	-30 30 08.28		+0.0007	-0.023	5.5	4					M6F	4	208221	V	
3527	24 OPH	16 53 46.853	-23 04 21.21		-0.0003	-0.001	5.60						A0		184822	D	
3528	27 SCO	16 53 55.283	-33 10 55.16		-0.0006	-0.006	5.48	2	7.07	2			K5		208232		
3529	ZET ARA	16 54 28.422	-55 54 48.63		-0.0016	-0.035	3.130	1	4.740	1	6.680	1	K5III		244315		
3530	RV SCO	16 55 03.271	-33 31 59.70		-0.0001	-0.024	6.7	4	7.46	7			F5	4	208246	OV	
3531	AI DRA	16 55 08.858	+52 46 31.71		+0.0007	-0.007	7.1	6					A0	6	30164	V	
3532	47 KAP OPH	16 55 17.959	+09 27 04.81		-0.0199	-0.010	3.200	1	4.360	1	5.520	1	K2III		121962		
3533	57 HER	16 55 27.727	+25 25 43.30		+0.0002	+0.012	6.55						GG5		24720		
3534	EPS- 1 ARA	16 55 35.463	-53 05 09.07		+0.0008	+0.015	4.06	2	5.51	2	7.22	2	K3III		244311	V?	
3535	19 -H DRA	16 55 44.806	+65 12 39.19		+0.0371	+0.046	4.90	2	5.38	2	5.35	2	F6V		17291	OV?	
3536	20 DRA	16 56 10.002	+65 06 53.89		-0.0076	+0.031	6.37						F0		17285	V	
3537	V HER	16 56 17.878	+35 07 34.98		-0.0026	+0.004	9.3	6							65681		
3538	26 OPH	16 57 05.497	-24 54 52.64		+0.0045	-0.059	5.78						OF4		184897		
3539	58 EPS HER	16 58 22.471	+30 59 55.92		-0.0038	+0.028	3.920	1	3.910	1	3.800	1	A0V		65716		
3540	30 OPH	16 58 25.223	-04 08 57.19		-0.0031	-0.076	4.83	2	6.31	2	8.11	2	K4III		141483	V?	
3541	29 OPH	16 58 55.512	-18 48 49.48		-0.0028	-0.020	6.37						GK0		160231		
3542	EPS- 2 ARA	16 59 08.596	-53 09 51.06		-0.0001	-0.143	5.36						DF7		244388	D	
3543	V 451 HER	16 59 16.519	+15 01 16.29		+0.0002	-0.010	6.30		6.34				A P		102536	OV	
3544	-D HER	16 59 45.478	+33 38 22.09		-0.0001	-0.001	5.25		5.270				A3III		65736		
3545	26 OPH	17 00 55.924	-25 37 42.75		-0.0009	-0.026	6.69	4					B9	4	184982		
3546	31 OPH	17 01 38.712	-25 34 32.41		-0.0015	-0.078	6.76	4					A5	4	184995		
3547	61 HER	17 01 42.397	+35 29 01.32		+0.0024	-0.037	6.63						GM4		65761		
3548	V 607 SCO	17 02 56.050	-35 53 58.14		-0.0004	-0.004	10.2	7					B8	6	208404	V	
3549	BF OPH	17 02 59.294	-26 30 49.30		+0.0000	+0.008	7.6	6	8.3	7			F5V	4	185020	V	
3550	60 HER	17 03 03.442	+12 48 29.08		+0.0034	-0.011	4.91	2	5.03	2	5.09	2	A3IV		102584	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	PT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	G I.
3551	V 616 ARA	17 03 19.261	-46 56 13.24		+0.0006	-0.003	8.4	6					G5	6	227631	V	
3552	WZ OPH	17 04 14.056	+07 50 53.73	L	+0.0012	-0.027	8.7	6					G0		122083		67
3553	21 MU DRA	17 04 17.357	+54 32 07.94		-0.0091	+0.084	5.062						DF6+DF6		70239		
3554	R OPH	17 04 53.425	-16 01 39.54		-0.0014	-0.012	6.0	4					M5F	4	160209	V	
3555	-C HER	17 06 15.553	+35 59 56.68	L	-0.0023	-0.012	5.26						A5		65812		
3556	b2 HLR	17 06 29.362	+24 33 01.37		-0.0003	-0.049	6.82	4					A0	4	04873		
3557	35 EJA OPH	17 07 30.461	-15 39 52.89	L	+0.0026	+0.095	2.420	1	2.470	1	2.560	1	A2.5V	6	160332	V	
3558	AH SCO	17 08 01.980	-32 15 52.60		-0.0025	-0.037	8.1	7					40	6	208505	V	
3559	TV DRA	17 08 06.380	+64 22 52.50		+0.0016	+0.005	9.0	6					MCP	6	17364	V	
3560	EJA SCO	17 08 34.015	-43 10 31.10		+0.0021	-0.285	3.340	1	3.740	1	3.830	1	F0IVN		227707		
3561	22 ZET DRA	17 08 38.146	+65 46 33.99		-0.0040	+0.021	3.170	1	3.060	1	2.630	1	H6III		17365		
3562	b3 HER	17 08 58.827	+24 17 51.07		-0.0009	+0.032	6.22						A8IV-V	7	04806	V	
3563	V 463 HER	17 09 19.135	+16 28 14.36		+0.0004	-0.011	8.4	6					K0	6	102639	V	
3564	37 OPH	17 10 06.278	+10 38 39.50		+0.0006	-0.026	5.33						GMP		102646		
3565	FV SCO	17 10 28.991	-32 47 42.14		-0.0009	-0.033	7.9	7					B0	6	208558	V	
3566	AK HER	17 11 43.180	+16 24 27.59		+0.0019	-0.046	8.8	6					FA	6	102668	NV	
3567	TT DRA	17 12 02.692	+57 55 11.17		-0.0014	+0.009	9.2	6					M5	6	30208	V	
3568	V 727 SCO	17 12 14.939	-33 02 56.39		-0.0021	-0.063	7.9	6					MA	6	208593	V	
3569	36 A-1 OPH	17 12 16.173	-26 31 47.28		-0.0369	-1.132	5.053	2	5.913	2	6.403	2	K0V		185108		108
3570	36 A-2 OPH	17 12 16.220	-26 31 52.28		-0.0345	-1.141	5.093	2	5.953	2	6.443	2	K1V		195109		109
3571	V 43A OPH	17 12 18.801	+11 07 31.89		-0.0009	+0.011	9.1	6					M8	6	102678	V	
3572	64 ALP-1 HLR	17 12 21.948	+14 26 45.34		-0.0005	+0.034	3.060	1	4.510	1	5.520	1	M5II		102680	NV	
3573	64 ALP-2 HER	17 12 22.274	+14 26 43.71		-0.0003	+0.043	5.39						G5III?+F2?		102681		
3574	UW HER	17 12 38.996	+36 25 26.73		+0.0014	-0.009	8.1	6					M5F	7	65885	V	
3575	65 DEL HER	17 12 58.555	+24 53 48.78		-0.0017	-0.157	3.130	1	3.210	1	3.290	1	A3IV		84951	NV?	
3576	67 PI HER	17 13 18.212	+36 51 51.83		-0.0025	+0.003	3.160	1	4.600	1	6.260	1	K3II		65890	V?	
3577	38 U OPH	17 13 59.357	+01 15 53.07		-0.0002	-0.012	5.7						B5V		122226	NV	
3578	41 OPH	17 14 02.523	-00 23 25.24		-0.0017	-0.067	4.72	2	5.87	2	6.98	2	K2III		141586		
3579	39 OMI-1 OPH	17 14 57.384	-24 13 53.02		-0.0053	-0.010	6.90						F6IV-V		185237		
3580	39 OMI-2 OPH	17 14 57.520	-24 14 03.53		-0.0039	-0.010	5.39						K1III		185238		
3581	68 -U HER	17 15 28.599	+33 09 10.06		-0.0009	-0.005	4.78	2	4.63	2	3.87	2	B3III		65913	NV	
3582	VW DRA	17 15 52.790	+60 43 23.77		-0.0066	+0.014	6.3						GG9		17414	V	
3583	69 -E HER	17 15 56.691	+37 20 34.06		-0.0032	+0.062	4.66	2	4.71	2	4.68	2	A2V		65921	V?	
3584	-E OPH	17 16 15.803	+10 55 02.22		+0.0003	-0.092	5.03	2	6.58	2	8.48	2	K4II-III		102725		
3585	10T APS	17 16 30.473	-70 04 26.01		+0.0008	-0.015	5.41	2	5.37	2	5.14	2	B8		257401	NV?	
3586	ZET APS	17 16 45.293	-67 43 16.64		-0.0045	+0.002	4.78	2	5.99	2	7.26	2	GK1		253882		
3587	1X HER	17 17 01.642	+41 56 20.67		-0.0013	-0.007	8.1	6					A5	6	46626	V	
3588	40 XI OPH	17 18 00.251	-21 03 39.72		+0.0165	-0.209	4.38	2	4.79	2	4.73	2	F2V		185296		
3589	53 NU SCA	17 18 00.746	-12 47 52.08		+0.0029	+0.004	4.31	2	4.34	2	4.38	2	A1V		160479		
3590	UW APS	17 18 14.145	-67 52 52.53		+0.0001	-0.002	8.4	6							253891	V	
3591	72 -W HLR	17 18 47.160	+32 31 51.06		+0.0100	-1.043	5.39	2	6.01	2	6.08	2	G2V		65963	NV?	
3592	70 HER	17 18 50.498	+24 32 52.75		-0.0017	+0.001	4.94		4.900				A1V		95021		
3593	42 THE OPH	17 18 56.157	-24 57 05.20		-0.0002	-0.021	3.260	1	3.030	1	2.180	1	A2IV		195320	V	
3594	74 HER	17 18 56.237	+46 17 20.52		-0.0035	+0.045	5.60						3M0		46645		
3595	V 63b SCO	17 19 05.452	-45 34 01.06		-0.0004	-0.002	6.76	4	7.54	7			G5	4	227880	V	
3596	10T ARA	17 19 30.584	-47 25 16.27		-0.0008	-0.015	5.25	2	5.14	2	4.33	2	B3NE		227896		
3597	HS HER	17 19 36.525	+22 58 06.93		-0.0012	+0.003	7.5	4					M5F	4	85031	V	
3598	43 OPH	17 20 12.591	-28 05 46.83		+0.0004	-0.032	5.43						GK5		195350		
3599	BET ARA	17 21 08.264	-55 29 06.10		-0.0001	-0.024	2.840	1	4.300	1	5.840	1	K3IV		244725		
3600	GAM ARA	17 21 10.732	-56 19 58.85		+0.0003	-0.011	3.330	1	3.190	1	2.220	1	B1III		244726		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	HT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P V	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IV MAG.	II N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	"
3601	75 RHO- 1	HER	17 21 57.051	+37 11 29.80	-0.0038	+0.003	5.498	2	5.498	2	5.448	2	B9V		66000	"	77
3602	75 RHO- 2	HER	17 21 57.343	+37 11 26.94	-0.0035	+0.005	4.548	2	4.548	2	4.498	2	A P		66001	"	78
3603	73	HER	17 22 00.938	+23 00 19.43	-0.0031	-0.041	5.67						A4		85062		
3604	KAP	ARA	17 22 05.765	-50 35 24.35	+0.0010	+0.002	5.23	2	6.29	2			K1III		244734		
3605	44 -B	OPH	17 23 18.832	-24 07 52.05	+0.0000	-0.116	4.16	2	4.44	2	4.56	2	DA9		195401	V?	
3606	V 640	HER	17 23 40.749	+16 57 35.28	-0.0006	+0.009	6.12		7.73	7			GM4	7	102810	V?	
3607	47	OPH	17 23 58.550	-05 02 38.50	-0.0064	-0.045	4.54	2	4.95	2	4.87	2	F3V		141655	V?	
3608	49 SIG	OPH	17 24 01.895	+04 10 56.12	+0.0001	+0.005	4.33	2	5.83	2	7.41	2	K3II		122387	V?	
3609	45 -D	OPH	17 24 09.518	-29 49 25.26	+0.0016	-0.140	4.27	2	4.67	2	4.75	2	F5IV		185412		
3610	77 -X	HER	17 25 24.566	+48 18 04.18	-0.0004	-0.005	5.76						A2		46723		
3611	V 499	SCO	17 25 45.613	-32 57 54.90	+0.0002	-0.021	8.2	6					R5	6	208865	V	
3612	DEL	ARA	17 26 34.733	-60 38 40.90	-0.0065	-0.094	3.610	1	3.510	1	3.190	1	B8V		253945	"	
3613	34 UPS	SCO	17 27 21.662	-37 15 28.57	-0.0001	-0.032	2.680	1	2.450	1	1.640	1	B3Ia		208896		
3614	V 482	SCO	17 27 30.546	-33 34 19.91	-0.0022	+0.039	8.45	7	9.27	7			F5	5	208899	V	
3615	ALP	AKA	17 27 58.353	-49 50 19.60	-0.0025	-0.071	2.950	1	2.780	1	2.090	1	B2.5V		228069	"	
3616	51	OPH	17 28 21.743	-23 55 33.04	+0.0003	-0.028	4.81	2	4.81	2	4.75	2	A1		185470	V?	
3617	76 LAM	HER	17 28 42.947	+26 08 49.49	+0.0013	+0.019	4.41	2	5.85	2	7.53	2	K4III		85163	V?	
3618	23 BET	DRA	17 29 18.009	+52 20 15.65	-0.0024	+0.013	2.780	1	3.780	1	4.410	1	G2II		30429	"	
3619	78	HER	17 29 51.624	+28 26 32.83	+0.0003	+0.027	5.56		5.560				B9.5V		85182		
3620	35 LAM	SCO	17 30 12.626	-37 04 09.63	+0.0001	-0.029	1.630	1	1.410	1	0.520	1	B1V		208954	V	
3621	RW	AKA	17 30 32.762	-57 06 50.86	+0.0011	+0.013	7.6	5					A0	5	244859	V	
3622	V 701	SCO	17 31 08.431	-32 28 17.53	-0.0004	-0.012	8.2	7					B5	6	208972	V	
3623	24 NU - 1	DRA	17 31 11.293	+55 13 04.07	+0.0163	+0.055	4.88	2	5.14	2	5.17	2	A 4		30447	"	
3624	25 NU - 2	DRA	17 31 16.719	+55 12 22.81	+0.0165	+0.054	4.88	2	5.15	2	5.19	2	A 4		30450	"	
3625	V 642	HER	17 31 26.526	+14 52 33.14	+0.0015	-0.071	6.42		7.97	7	9.43	7	GM4	7	102918	V	
3626	SIG	ARA	17 31 55.972	-46 28 24.10	-0.0027	-0.034	4.59	2	4.57	2	4.47	2	A0		228162		
3627	54	OPH	17 32 03.755	+13 11 37.62	+0.0002	-0.031	6.66	4					G5	4	102925	"	
3628	-F	DRA	17 32 09.543	+68 10 01.19	-0.0031	+0.134	5.05	2	6.13	2	7.05	2	K0III		17526		
3629	RV	OPH	17 32 09.617	+07 16 46.54	-0.0016	+0.001	9.0	6					A0	6	102523	V	
3630	-F- 1	OPH	17 32 13.616	+09 36 27.89	-0.0004	-0.004	8.2	4							122525	"	
3631	-F- 2	OPH	17 32 14.147	+09 37 08.37	+0.0002	-0.008	5.40	2	5.51	2	5.52	2	A2		122526	D	
3632	52	OPH	17 32 17.858	-22 00 42.88	-0.0003	-0.011	6.57						A0		185526		
3633	55 ALP	OPH	17 32 36.696	+12 35 41.92	+0.0080	-0.227	2.070	1	2.220	1	2.320	1	A5II		102932	V?	
3634	Q	SCO	17 33 06.013	-38 36 07.37	-0.0011	-0.201	4.29	2	5.38	2	6.28	2	GKn		209019	V?	
3635	V 449	SCO	17 33 43.201	-32 05 53.23	+0.0006	-0.035	6.91	4					A2V	7	209028	V	
3636	THE	SCO	17 33 43.371	-42 58 05.15	+0.0015	+0.000	1.870	1	2.270	1	2.490	1	F0Ia		228201		
3637	V 535	ARA	17 33 50.722	-56 47 28.93	-0.0070	-0.033	7.5	6					A3	6	244805	V	
3638	PI	AKA	17 33 58.967	-54 28 09.24	-0.0041	-0.148	5.25	2	5.45	2			A7V		244896		
3639	29	DRA	17 34 03.293	+74 15 33.08	-0.0186	+0.039	7.06	4					K2	4	8842		
3640	26	DRA	17 34 28.238	+61 54 45.41	+0.0352	-0.510	5.23	2	5.84	2	5.94	2	G1V		17546	D	
3641	55 XI	SCA	17 34 43.274	-15 22 07.81	-0.0031	-0.061	3.520	1	3.760	1	3.880	1	F0IV		160700	"	
3642	57 MU	OPH	17 35 07.500	-08 05 24.07	-0.0008	-0.025	4.63	2	4.74	2	4.56	2	B8V		141772		
3643	82 -Y	HER	17 35 19.066	+48 36 50.00	+0.0026	+0.064	5.42						GK1		45838		
3644	79	HER	17 35 27.400	+24 20 18.08	-0.0009	+0.003	5.57		5.660				A2V		85264		
3645	LAM	ARA	17 36 31.762	-49 23 12.97	+0.0081	-0.175	4.77	2	5.17	2	5.13	2	DF4		228257		
3646	V 862	SCO	17 36 45.416	-32 10 28.89	+0.0008	-0.003	6.86						B NE-B8	7	209105	V	137
3647	TT	SCO	17 36 57.627	-41 36 16.56	+0.0023	-0.009	9.0	4					N3	4	228245	V	
3648	28 OME	DRA	17 37 14.348	+68 46 52.48	-0.0002	+0.322	4.80	2	5.23	2	5.22	2	F5V		17576		
3649	BM	SCO	17 37 42.757	-32 11 21.15	-0.0011	+0.001	7.0	4					K0	4	209132	V	
3650	V 551	OPH	17 37 44.233	-27 22 13.89	-0.0029	-0.009	8.3	6					M2	6	185610	V	

TABLE 4 CONTINUED
 STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAR PROP.	C N
3651	05 IOT HER	17 38 03.064	+46 01 55.27		-0.0010	+0.004	3.800	1	3.620	1	2.930	1	B3V		46872	V	
3652	V 626 ARA	17 38 09.234	-50 29 10.49		+0.0028	-0.011	6.23		7.93	7	9.89	7	G M3		244954	V	
3653	56 OM1 SCA	17 38 36.141	-12 51 01.01		-0.0050	-0.055	4.24	2	4.32	2	4.43	2	A2V		160747		
3654	V PAV	17 38 59.828	-57 42 05.22		+0.0000	-0.049	8.3	4					NR	4	244964	UV	
3655	V 703 SCO	17 39 00.577	-32 29 59.96		+0.0020	+0.009	7.2	5	7.56	7			F0	7	209160	V	
3656	KAP SCO	17 39 01.548	-39 00 22.76		-0.0006	-0.029	2.410	1	2.200	1	1.320	1	B2IV		209163	V	
3657	V 552 OPH	17 39 35.150	-28 24 29.34		+0.0013	+0.022	8.8	6					M0	6	185643	V	
3658	MU ARA	17 40 10.270	-51 48 35.06		-0.0014	-0.193	5.15	2	5.85	2			GSV		244981		
3659	55 HER	17 40 25.238	+24 35 16.75		-0.0042	-0.105	5.51	2	6.97	2	8.65	2	K4III		85344		
3660	56 OPH	17 40 25.892	-21 39 38.57		-0.0068	-0.046	4.87	2	5.34	2	5.31	2	F5V		185660		
3661	ETA PAV	17 40 49.242	-64 42 09.86		-0.0005	-0.052	3.620	1	4.800	1	5.960	1	K1III		254020		
3662	60 BET OPH	17 41 00.041	+04 35 11.84		-0.0028	+0.159	2.770	1	3.940	1	5.180	1	K2III		122671		
3663	XX OPH	17 41 15.407	-06 14 52.19		+0.0004	+0.004	8.8	6					BP	6	141834	V	
3664	64 HER	17 41 18.329	+24 20 53.48		-0.0085	+0.071	5.54						GG6		85360		
3665	SZ SGR	17 42 00.165	-18 38 13.99		-0.0006	-0.008	8.6	6					N3	6	160795	V	
3666	V 624 HER	17 42 00.627	+14 25 49.35		-0.0000	+0.017	6.07		6.28	7			K M	6	103069	UV	
3667	61 A OPH	17 42 03.267	+02 35 57.94		+0.0001	+0.014	6.25						A0		122600	D	
3668	61 B OPH	17 42 04.654	+02 35 56.65		+0.0001	+0.010	6.64						A0		122601	D	
3669	31 PSI- 1 DRA	17 42 49.282	+72 10 26.21		+0.0033	-0.267	4.58	2	5.01	2	5.02	2	F5IV-V		8890	D	
3670	31 PSI- 2 DRA	17 42 50.929	+72 10 55.37		+0.0041	-0.278	5.738		6.188				DF6		8891	D	
3671	V 620 ARA	17 43 00.106	-56 04 52.86		-0.0006	-0.034	9.9	6					A0	6	245020	V	
3672	V 777 SGR	17 43 18.802	-26 10 55.05		+0.0004	-0.017	8.3	6					K2	6	185724	V	
3673	UW ARA	17 43 44.761	-48 43 47.02		+0.0001	-0.023	9.6	6					A0	6	228414	V	
3674	V 537 ARA	17 43 52.036	-54 41 10.73		-0.0019	-0.005	8.5	6					BA	6	245031	V	
3675	UN SGR	17 43 55.938	-28 07 54.94		-0.0007	-0.030	9.0	6					F5	6	185745	V	
3676	IOT- 1 SLO	17 44 05.100	-40 06 34.94		+0.0001	-0.006	3.020	1	3.530	1	3.770	1	F2IA		228420	D	
3677	SX SCO	17 44 06.488	-35 41 03.62		-0.0021	-0.031	10.5	7					NR	6	209256	V	
3678	X SGR	17 44 24.664	-27 48 49.14		+0.0001	-0.009	4.20		4.900				FR		185755	V	
3679	66 MU HER	17 44 29.998	+27 44 55.40		-0.0233	-0.747	3.420	1	4.170	1	4.560	1	G5IV		85347	D	
3680	62 GAM OPH	17 45 23.019	+02 43 28.28		-0.0016	-0.074	3.750	1	3.790	1	3.830	1	A0V		122754		
3681	V 500 SCO	17 45 24.463	-30 27 35.53		-0.0001	+0.034	9.54	7	10.69	7			K0	6	209248	V	
3682	V 393 SCO	17 45 27.029	-35 02 28.83		+0.0010	-0.002	7.42	5					B9	7	209291	V	
3683	V 522 HER	17 45 43.432	+40 02 09.40		+0.0012	+0.031	9.0	6							46952	V	
3684	UPS- 1 ARA	17 46 23.999	-53 35 53.16		-0.0011	-0.004	5.90						B3V		245065	DV	
3685	G SCO	17 46 27.172	-37 01 45.62		+0.0045	+0.034	3.190	1	4.360	1	5.540	1	K1III		209313		
3686	IOT- 2 SCO	17 46 41.171	-40 04 35.09		+0.0006	-0.008	4.81	2	5.07	2	5.07	2	CA3		228466	D	
3687	87 HER	17 46 47.387	+25 38 17.42		-0.0004	-0.040	5.17						K2III		85437		
3688	UPS- 2 ARA	17 47 08.153	-53 07 01.90		+0.0011	-0.011	6.40						A0		245072		
3689	V 337 HER	17 47 21.815	+45 42 52.53		-0.0020	-0.019	8.4	6							46973	V	
3690	RY SCO	17 47 34.128	-33 41 31.50		+0.0022	+0.025	7.5	4	8.70	7			G5	4	209340	DV	
3691	30 DRA	17 47 52.511	+50 47 31.58		-0.0058	+0.209	5.11						A2		30591		
3692	23 DEL UMI	17 48 18.338	+86 36 34.78		+0.0107	+0.054	4.36	2	4.38	2	4.41	2	A1V		2947		
3693	88 HER	17 48 44.710	+48 24 24.48		-0.0004	+0.015	6.40		6.250				A P		46907		
3694	24 UMI	17 49 12.248	+86 59 31.94		+0.0694	+0.003	5.79	2	6.04	2	6.11	2	A M		2940		
3695	V 564 OPH	17 49 36.853	+07 57 09.91		+0.0001	-0.018	9.3	6	10.85	7			K2	6	122851	V	
3696	Y OPH	17 49 57.778	-06 07 59.02		+0.0003	-0.010	6.10		7.400				G0P		141926	V	
3697	V 771 SGR	17 50 23.857	-24 45 52.30		+0.0020	-0.002	8.7	6					B0	6	185809	V	
3698	V 533 OPH	17 50 26.648	-02 34 07.45		-0.0042	-0.050	7.5	6					MC	6	141939	V	
3699	90 -F HER	17 51 40.278	+40 00 58.78		+0.0006	+0.052	4.93						K3III		47037	D	
3700	35 DRA	17 51 40.964	+76 58 15.03		+0.0105	+0.246	5.09						F6IV-V		8939		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	C
3701	03	OPH	17 51 49.256	-24 52 44.45		-0.0003	-0.002	6.20	2	6.24	2	5.35	2	08	145928		177
3702	UX	HER	17 51 54.495	+16 57 07.49		-0.0017	+0.027	8.7	6					A0	143105	V	
3703	TX	SCO	17 51 55.891	-34 13 39.66		-0.0015	-0.007	7.7	5					A2M	209460	V	
3704	V 764	SCO	17 52 27.507	-45 08 55.87		-0.0000	-0.029	8.8	6					A2	228555	V	
3705	32 XI	DRA	17 52 39.700	+56 52 47.68		+0.0106	+0.078	3.750	1	4.930	1	6.140	1	K2II	30631		
3706	V 453	SCO	17 52 59.761	-32 28 06.52		+0.0005	-0.002	6.62	4					R0SE	209489	V	
3707	89 V 441	HER	17 53 24.044	+26 03 24.14		+0.0002	+0.007	5.45	2	5.79	2	6.06	2	F2IA	85545	V	
3708	V 652	OPH	17 53 45.409	+00 40 34.99		-0.0005	+0.003	5.67		5.76	7			R2IV-V	122915	V	
3709	V 566	OPH	17 54 24.329	+04 59 30.80		+0.0046	+0.080	7.46	5					F4V	122946	V	
3710	91 THE	HER	17 54 32.183	+37 15 21.68		+0.0001	+0.006	3.870	1	5.220	1	6.680	1	K1II	66485	V?	
3711	OP	HER	17 55 22.254	+45 21 21.89		+0.0002	-0.028	6.22						M6S	47080	V	
3712	33 GAM	DRA	17 55 26.576	+51 29 38.52		-0.0014	-0.020	2.220	1	3.740	1	5.620	1	K5III	30653		
3713	92 XI	HER	17 55 49.210	+29 15 07.34		+0.0064	-0.017	3.700	1	4.640	1	5.340	1	G9III	85590	V?	
3714	V1647	SGR	17 55 49.486	-36 56 08.05		+0.0025	-0.006	6.8	6					A0	209552	V	
3715	Z	HER	17 55 51.372	+15 08 31.45		-0.0016	+0.074	7.1	4					F5	103254	V	
3716	34	DRA	17 56 02.907	+72 00 37.92		+0.0002	+0.003	5.46						F2	8961		
3717	64 NU	OPH	17 56 16.332	-09 46 09.10		-0.0006	-0.119	3.340	1	4.330	1	5.200	1	G9III	142004		
3718	MM	HER	17 56 31.954	+22 08 58.93		+0.0005	-0.029	9.1	6					G0	85600	V	
3719	UW	DRA	17 56 31.970	+54 40 09.52		+0.0011	-0.023	7.0	4					K5	30659	V	
3720	94 NU	HER	17 56 35.255	+30 11 32.29		-0.0002	+0.007	4.41	2	4.80	2	4.95	2	F2II	66524		
3721	V 540	SGR	17 56 42.079	-35 55 32.98		+0.0014	-0.036	9.4	7					MA	209570	V	
3722	4	SGR	17 56 44.290	-23 48 48.01		+0.0002	-0.043	4.75	2	4.77	2	4.67	2	A0	186061		
3723	V 914	OPH	17 57 01.404	+11 47 10.68		+0.0008	-0.000	8.5	6						103274	V	
3724	5	SGR	17 57 07.511	-24 16 54.82		+0.0022	-0.033	6.72	4					K0	186074		
3725	66	OPH	17 57 47.101	+04 22 11.61		-0.0000	-0.013	4.60	2	4.58	2	3.77	2	B2VE	123005	V	
3726	93	HER	17 57 49.773	+16 45 08.33		-0.0005	-0.012	4.68	2	5.95	2	7.16	2	K0II-III	103295		
3727	57 ZET	SCA	17 57 50.377	-03 41 19.04		+0.0096	-0.046	4.62	2	5.01	2	5.00	2	F3V	142025		
3728	67	OPH	17 58 08.348	+02 55 56.61		-0.0001	-0.010	3.970	1	3.990	1	3.340	1	B5IR	123013		
3729	6	SGR	17 58 28.705	-17 09 24.26		+0.0000	-0.007	6.31						K3III	160999		
3730	68	OPH	17 59 12.900	+01 18 17.26		+0.0008	-0.012	4.42	2	4.46	2	4.48	2	A1V	123035	DV?	
3731	95	HER	17 59 22.551	+21 35 39.16		+0.0007	+0.031	5.21						G5III	85647	D	
3732	95	HER	17 59 23.050	+21 35 40.48		+0.0008	+0.034	5.13						A7III	85648	D	
3733	7	SGR	17 59 47.164	-24 17 01.48		+0.0004	-0.009	5.35		5.870				F5II	186163		
3734	96	HER	18 00 14.715	+20 49 55.57		+0.0003	-0.011	5.10		5.000				B3V	85672		
3735	64 TAU	OPH	18 00 21.474	-08 10 55.08		+0.0017	-0.039	4.79	2	5.17	2	5.22	2	F2+F2	142050	D	112
3736	97	HER	18 00 24.613	+22 55 17.34		-0.0004	-0.008	6.10		6.000				B3V	85676		
3737	9	SGR	18 00 48.403	-24 21 48.67		+0.0002	-0.002	5.97	2	5.97	2	5.08	2	O5	186204		
3738	W	SGR	18 01 49.519	-29 35 03.04		+0.0011	-0.001	4.30		5.100				F80	186237	DV	
3739	V 986	OPH	18 02 05.798	+01 54 54.01		-0.0003	-0.003	6.13	2	6.13	2	5.23	2	B0.5III	123000	V	
3740	10 GAM	SGR	18 02 35.678	-30 25 35.80		-0.0041	-0.185	2.990	1	4.000	1	4.770	1	K0III	209696	V?	
3741	THE	ARA	18 02 44.229	-50 05 49.53		-0.0011	-0.017	3.665	1	3.580	1	2.715	1	B0.5II	245242		
3742	70 -P	OPH	18 02 55.608	+02 30 34.62		+0.0172	-1.094	4.030	1	4.890	1	5.400	1	K0V	123107	D	
3743	PI	PAV	18 03 45.934	-63 40 23.74		+0.0032	-0.185	4.35	2	4.57	2	4.75	2	A5V	254147	V?	
3744	46	DRA	18 03 47.449	+79 59 47.77		+0.0164	+0.127	6.04	2	6.55	2	6.54	2	DF5	8994	DV?	
3745	SX	DRA	18 03 48.640	+58 23 34.89		-0.0004	+0.017	9.3	6					A7	30734	V	
3746	41	DRA	18 03 53.450	+79 59 59.55		+0.0155	+0.120	5.68	2	6.18	2	6.17	2	DF6	8996	DV?	
3747	98	HER	18 03 55.448	+22 12 46.28		-0.0008	-0.008	5.12						GM2	85725		
3748	71	OPH	18 04 54.790	+08 43 33.79		+0.0006	+0.032	4.63	2	5.60	2	6.33	2	G8III-IV	123140		
3749	72	OPH	18 04 58.656	+09 33 18.94		-0.0042	-0.081	3.730	1	3.850	1	3.940	1	A4V	123142	D	
3750	99 -B	HER	18 05 07.529	+30 33 12.96		-0.0075	+0.071	5.04	2	5.56	2	5.46	2	F7V	66648	D	

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	L N
3751	103 OMI	HER	16 05 35.418	+28 45 15.79	-0.0001	+0.010	3.830	1	3.810	1	3.740	1	B9V		85750	V	
3752	IOT	PAV	16 05 47.292	-62 00 54.61	-0.0110	+0.225	5.49	2	6.07	2			G0		254157		
3753	V3792	SGR	16 05 48.460	-25 28 53.84	+0.0003	+0.017	6.27						B8	6	186350	V	
3754	100 B	HER	18 05 48.464	+26 05 19.08	-0.0003	+0.033	5.90	2	6.04	2	6.12	2	A3		85752	DV?	
3755	100 A	HER	18 05 48.495	+26 05 33.51	-0.0006	+0.033	5.86	2	5.98	2	6.06	2	A3		85753	DV?	
3756	V 566	HER	18 06 16.706	+41 42 37.55	+0.0007	-0.045	7.7	6					M0	6	47242	V	
3757	V 529	HER	18 06 25.775	+42 12 53.18	-0.0011	-0.016	8.6	6							47244	V	
3758	102	HER	18 06 37.111	+20 48 18.86	+0.0002	-0.009	4.35	2	4.20	2	3.39	2	B2V		85760	D	
3759	101	HER	18 06 43.406	+20 02 09.74	+0.0005	-0.021	5.16						A4		85770		
3760	W	SCA	18 06 56.299	-15 33 37.33	+0.0004	+0.003	9.0	6					S4C	6	161128	V	
3761	V 839	OPH	18 06 58.351	+09 08 28.30	-0.0015	+0.016	8.8	6					G0	6	123123	V	
3762	73	OPH	16 07 04.593	+03 58 59.91	+0.0024	-0.007	5.73	2	6.10	2	6.13	2	F2		123187	D	
3763	T	HER	18 07 12.635	+31 00 40.07	+0.0009	+0.006	6.9	4					M3E	4	66680	V	
3764	EPS	TEL	18 07 31.023	-45 57 54.77	-0.0014	-0.031	4.53	2	5.54	2	6.32	2	G8III		228777	D	
3765	SY	SGR	18 07 51.217	-23 42 15.39	-0.0004	-0.021	9.4	6					F8	6	186416	V	
3766	R	PAV	18 08 04.931	-63 37 43.55	+0.0003	+0.021	7.1	4					M3E	4	254172	V	
3767	11	SGR	18 08 40.200	-23 42 47.18	+0.0013	-0.020	5.13						GK0		196437	D	
3768	AO	SGR	18 09 01.504	-29 52 21.01	+0.0024	+0.012	9.0	6					M3	6	186452	V	
3769	NO	HER	18 09 22.063	+18 18 40.98	+0.0015	-0.012	8.2	6					A0	6	103465	V	
3770	AP	SGR	18 10 00.173	-23 07 52.47	-0.0005	-0.006	6.7	4					F5	4	196478	V	
3771	104 A	HER	18 10 01.172	+31 23 29.74	-0.0009	+0.023	4.92						GM3		66737	V?	
3772	13 MU	SGR	18 10 46.324	-21 04 25.46	+0.0002	+0.001	3.850	1	4.070	1	3.600	1	B8IAP		186497	DV	
3773	14	SGR	18 11 15.616	-21 43 42.03	-0.0006	-0.023	5.73						GK3		186509		
3774	15	SGR	18 12 13.877	-20 44 41.67	+0.0002	+0.002	5.38	2	5.45	2	4.58	2	B0IA		186543		
3775	16	SGR	18 12 14.367	-20 24 16.63	-0.0002	+0.000	5.98	2	6.02	2	5.14	2	O9II		196544	D	
3776	V2509	SGR	18 12 28.406	-35 39 16.24	+0.0012	-0.040	7.2	6					A0	6	209923	V	
3777	W	LYR	18 13 11.720	+36 39 12.05	+0.0006	-0.013	8.8	6					M3E-M6.5E	7	66794	V	
3778	36	DRA	18 13 36.422	+64 22 48.39	+0.0526	+0.032	4.80						F5V		17828		
3779	17	SGR	18 13 36.586	-20 33 45.94	+0.0009	-0.015	7.07						G5+A5		196575		
3780	WZ	SGR	18 14 02.894	-19 05 41.16	+0.0017	-0.011	8.2						G3-K6	7	161257	V	
3781	KY	OPH	18 14 07.414	+03 40 26.98	-0.0003	+0.005	8.7	6					M3E-M6E	7	123316	V	
3782	ETA	SGR	18 14 14.573	-36 46 43.49	-0.0107	-0.166	3.110	1	4.670	1	6.370	1	M3II		209957	D	
3783	RS	SGR	18 14 17.236	-34 07 35.38	-0.0011	-0.009	6.1						B5+A2		209959	DV	
3784	TZ	CRA	18 15 11.385	-43 22 52.60	+0.0019	-0.001	9.7	6					A0	6	228898	V	
3785	37	DRA	18 15 34.459	+68 44 16.53	+0.0023	-0.059	5.97						GK1		17837		
3786	IG	HER	18 15 42.636	+17 57 36.90	+0.0011	+0.037	7.7	6					M4	7	103576	V	
3787	CV	SCA	18 16 19.810	-11 39 16.23	-0.0015	+0.015	8.8	6					OA	6	161325	V	
3788	FO	SCA	18 16 29.434	-15 38 04.58	+0.0022	-0.013	8.8	6	10.67	7	12.67	7	R6(C4.5J)	7	161327	V	
3789	PHI	OCT	18 16 52.945	-75 04 08.55	+0.0014	+0.032	5.47	2	5.49	2	5.53	2	A0		257584		
3790	105	HER	18 17 07.136	+24 25 25.98	+0.0008	+0.001	5.34						K4II		85921		
3791	38	DRA	18 17 16.190	+68 43 19.27	-0.0062	-0.089	6.72	4					A0	4	17847		
3792	19 DEL	SGR	18 17 47.554	-29 51 04.68	+0.0030	-0.029	2.700	1	4.080	1	5.630	1	K2III		186681	D	
3793	1 KAP	LYR	18 18 06.453	+36 02 27.36	-0.0016	+0.043	4.34	2	5.51	2	6.70	2	K2III		66869	V?	
3794	106	HER	18 18 10.896	+21 56 19.62	+0.0011	-0.056	4.96	2	6.54	2	8.54	2	GM0		85941		
3795	74	OPH	18 18 22.199	+03 21 11.45	-0.0001	+0.010	4.84	2	5.75	2	6.36	2	G8III		123377	D	
3796	Y	SGR	18 18 26.491	-18 53 02.76	+0.0007	-0.010	5.40						F5P		161376	V	
3797	XI	PAV	18 18 37.191	-61 31 09.61	+0.0005	+0.004	4.36	2	5.84	2	7.39	2	K2III		254226	D	
3798	58 ETA	SCA	18 18 43.265	-02 54 48.20	-0.0370	-0.697	3.250	1	4.190	1	4.840	1	K0IV		142241		
3799	108	HER	18 19 01.413	+29 50 02.32	+0.0009	+0.057	5.50						A M		85956		
3800	XZ	SGR	18 19 01.726	-25 15 53.02	+0.0020	-0.024	8.8	6					A2	6	196718	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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3801	107 -T H-R	16 19 03.898	+28 50 41.92		+0.0002	+0.050	4.98						A4		85957	V?	
3802	TZ DRA	16 20 50.677	+47 32 32.47		-0.0014	+0.029	9.0	6							47430	V	
3803	26 EPS SGR	18 20 51.188	-34 24 36.94		-0.0026	-0.125	1.850	1	1.820	1	1.690	1	B9IV		210001	D	
3804	ZET SCT	16 20 55.131	-08 57 43.03		+0.0028	+0.044	4.68	2	5.62	2	6.34	2	K0III		142267		
3805	LAM UMI	18 21 21.819	+89 03 03.50		-0.1072	+0.001	6.38	2	7.95	2	9.74	2	M1III		3020		
3806	43 PHI DRA	16 21 28.505	+71 18 42.23	L	-0.0020	+0.041	4.22	2	4.12	2	3.79	2	A0SI		9084	OV?	
3807	109 RZ HER	18 21 33.942	+21 44 44.35		+0.0139	-0.244	3.840	1	5.020	1	6.180	1	K2III		86083	V?	
3808	18 SGR	18 21 48.571	-30 47 02.25		-0.0095	-0.071	5.60	2	6.74	2			K0III-IV		210116		
3809	XX SGR	16 21 50.642	-16 49 31.58		+0.0001	-0.002	9.0	6					G5	6	161484	V	
3810	44 CHI DRA	18 21 57.480	+72 42 42.14		+0.1169	-0.356	3.580	1	4.070	1	4.010	1	F7V		9087	D	
3811	21 SGR	18 22 22.292	-20 34 12.90		+0.0004	-0.026	4.81	2	6.11	2	7.04	2	K2II		186794	D	
3812	2 MU Lyr	18 22 34.868	+39 28 43.85		-0.0019	-0.007	5.05		5.080				A3III		66943		
3813	RY SCT	18 22 42.706	-12 43 09.24		-0.0011	+0.005	8.8	6					PEC	6	161458	V	
3814	39 -B DRA	18 23 10.673	+58 46 16.50		-0.0057	+0.061	4.99	2	5.07	2	5.12	2	A1V		30940	D	
3815	ALP TEL	18 23 15.974	-45 59 53.11		-0.0014	-0.046	3.510	1	3.340	1	2.690	1	B3III		209023		
3816	EG SCA	18 23 26.492	-01 42 38.90		+0.0004	-0.036	8.2	6					A0	6	142311	V	
3817	RZ SCT	18 23 48.968	-09 13 56.04		+0.0008	-0.005	7.9	6					B3IB	7	142317	V	
3818	V 988 OPH	18 24 23.520	+03 52 56.95		-0.0003	-0.022	8.2	6					MB	6	103489	V	
3819	59 -D SCA	18 24 36.906	+00 09 53.44		-0.0007	-0.002	5.21	2	5.71	2	5.92	2	G0+A0		123497	OV	
3820	22 LAM SGR	18 24 53.059	-25 27 04.18		-0.0032	-0.185	2.810	1	3.850	1	4.750	1	K2III		186841		
3821	ZET TEL	18 24 58.826	-49 06 00.58		+0.0147	-0.241	4.125	1	5.140	1	5.955	1	GK0		229047		
3822	V2349 SGR	16 25 31.381	-16 44 02.08		-0.0001	+0.003	9.0	6					B0	6	161502	V	
3823	CHI OCT	18 25 46.665	-87 39 09.92		-0.0779	-0.131	5.28	2	6.56	2	8.16	2	K3II		258709		
3824	42 DRA	18 25 50.426	+65 31 56.82		+0.0156	-0.026	4.82	2	6.01	2	7.12	2	K2III		17888		
3825	GAM SCT	18 26 20.804	-14 35 58.05		+0.0001	-0.005	4.71	2	4.78	2	4.82	2	A3V		161520		
3826	NU PAV	18 26 42.408	-62 18 46.06		+0.0006	-0.043	4.64	2	4.53	2	4.14	2	B8III		254273	V?	
3827	V 451 OPH	18 26 52.938	+10 51 28.52		+0.0001	-0.009	8.0	6					A0	6	103766	V	
3828	-C SCA	18 27 04.776	-02 01 09.27		+0.0020	-0.033	5.44						K0III		142348		
3829	DEL- 1 TEL	18 28 03.189	-45 57 02.61		-0.0007	-0.030	4.96	2	4.85	2			B6IV		229092		
3830	AC HER	18 28 09.034	+21 49 53.11		-0.0005	+0.000	7.8	5					F8	5	86134	V	
3831	DEL- 2 TEL	18 28 20.114	-45 47 37.43		+0.0004	-0.006	5.33						B5IV		229095		
3832	RX HER	18 28 20.202	+12 34 31.90		-0.0003	+0.013	7.2	4					A0	4	103793	V	
3833	V3508 SGR	18 28 27.371	-19 11 41.00		-0.0006	+0.024	8.3	6	8.65	7	8.44	7	B6IIIE	7	161562	V	
3834	V SGR	18 28 27.642	-18 17 55.95		-0.0006	-0.001	8.2	6					F0	6	161563	V	
3835	V 668 CRA	18 28 50.515	-42 21 23.70		+0.0046	-0.097	8.7	6	8.91	7	9.06	7	A5	6	229101	V	
3836	U SGR	18 28 56.533	-19 09 42.32		-0.0007	-0.000	6.340	1	7.300	1	7.880	1	CF5		161571	V	
3837	KP Lyr	18 29 11.023	+38 36 13.75		+0.0008	-0.028	8.6	6							67056	V	
3838	61 SCA	18 29 21.997	-01 02 24.30		+0.0005	-0.006	5.94	2	6.10	2	6.26	2	A2V?		142372		
3839	THE CRA	18 29 55.960	-42 21 02.24		+0.0028	-0.021	4.64	2	5.66	2	6.42	2	G5III		229111		
3840	KAP- 2 CRA	18 29 56.221	-38 45 51.01		-0.0003	-0.029	5.95						A		210295	D	
3841	KAP- 1 CRA	18 29 56.295	-38 45 29.43		+0.0018	-0.027	6.55						B8		210296	D	
3842	T Lyr	18 30 36.185	+36 57 38.89		+0.0006	+0.010	7.8	4					N3	4	67087	V	
3843	24 SGR	18 30 50.200	-24 04 17.25		+0.0002	-0.010	5.71						CK4		186981		
3844	RT PAV	18 30 55.665	-69 55 30.92		-0.0027	+0.012	8.7	6							254296	V	
3845	25 SGR	18 31 29.212	-24 15 44.42		+0.0001	-0.001	6.39						CF3		186995		
3846	45 -D DRA	18 31 42.658	+57 00 24.61		-0.0014	-0.004	4.80	2	5.41	2	5.85	2	F7IB		31039		
3847	ALP SCT	18 32 29.108	-08 16 50.47		-0.0013	-0.312	3.830	1	5.170	1	6.700	1	K3III		142408	V?	
3848	BY DRA	18 32 44.726	+51 41 00.56		+0.0197	-0.311	8.3	6					M1	6	31048	V	
3849	-E SCA	18 35 01.729	-00 21 11.20		+0.0006	-0.021	5.74	2	5.80	2	5.86	2	A2		142444		
3850	EW SCT	18 35 09.418	-06 50 27.71		+0.0004	+0.001	8.2	6					K0	6	142447	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAR PROP.	G N
3851	3 ALP	LYR	18 35 14.655	+38 44 09.68	+0.0171	+0.285	0.030	1	0.030	1	0.030	1	A0V		67174	OV?	
3852	X	OPH	18 35 57.512	+08 47 19.71	-0.0011	+0.007	6.4						GM6E		123744	OV	
3853	XY	LYR	18 36 27.280	+39 37 22.79	+0.0001	+0.006	5.8						CM4		67193	V	
3854	ZET	PAV	18 37 12.297	-71 28 28.15	+0.0016	-0.158	4.015	1	5.150	1	6.165	1	K2III		257620	D	
3855	U	CRA	18 37 42.012	-37 53 02.39	-0.0002	-0.024	9.9	7					MD	6	210449	V	
3856	AM	CRA	18 37 51.137	-37 31 56.68	+0.0008	-0.009	8.5	6					MR	6	210455	V	
3857	RR	SCT	18 38 17.186	-04 07 56.14	-0.0001	+0.010	8.8	6					BR	6	142494	V	
3858	26	SGR	18 38 48.639	-23 52 54.27	+0.0024	-0.024	6.14						A M		187146		
3859	LY	LYR	18 38 57.816	+31 37 29.94	-0.0007	+0.003	9.0	6					MR	6	67243	V	
3860	V 679	OPH	18 39 31.165	+06 46 10.62	+0.0019	+0.015	9.1	6					NP	6	123817	V	
3861	DEL	SCT	18 39 32.109	-09 06 07.26	+0.0004	+0.001	4.72	2	5.07	2	5.23	2	F3III-IV		142515	OV	
3862	HK	AQL	18 39 43.997	+00 06 20.18	-0.0008	-0.016	8.5	6					K5	6	123824	V	
3863	ER	SCT	18 40 01.217	-07 44 32.64	-0.0004	+0.012	9.0	6					A0	6	142528	V	
3864	Z	SCT	18 40 16.750	-05 52 15.90	+0.0000	-0.016	9.3	6	10.36	7			GN	6	142532	V	
3865	LAM	CRA	18 40 21.169	-38 22 24.69	+0.0002	-0.056	5.13						A1V		210501	D	
3866	V 456	OPH	18 40 42.193	+08 47 21.79	-0.0006	+0.026	9.1	6					A2	6	123842	V	
3867	EPS	SCT	18 40 47.819	-08 19 34.55	+0.0014	-0.007	4.89	2	6.01	2			G8II		142546	D	
3868	SS	SCT	18 41 00.748	-07 46 56.37	-0.0013	-0.006	8.3	6	9.12	7			F8P	6	142552	V	
3869	46 -C	DRA	18 41 39.779	+55 29 17.62	-0.0009	+0.024	5.06						A0SI		31119	V?	
3870	4	AQL	18 42 18.447	+02 00 27.21	+0.0004	-0.017	4.99		4.920				B9V		123870	V?	
3871	V 350	SGR	18 42 19.087	-20 42 00.89	+0.0061	-0.012	8.1	5					F5-G4	7	187233	V	
3872	27 PHI	SGR	18 42 31.962	-27 02 38.48	+0.0040	+0.001	3.160	1	3.050	1	2.690	1	B8III		187239		
3873	4 EPS- 1B	LYR	18 42 40.865	+39 37 03.39	-0.0001	+0.059	6.02						A4		67309	D	
3874	4 EPS- 1A	LYR	18 42 40.873	+39 37 00.09	+0.0011	+0.059	5.06						A2		67310	D	
3875	5 EPS- 2	LYR	18 42 43.325	+39 33 33.98	+0.0003	+0.064	4.496						A3+A5		67315	OV?	98
3876	SX	SGR	18 42 52.926	-30 32 33.83	+0.0009	-0.002	9.6	7					A2	6	210550	V	
3877	6 ZET- 1	LYR	18 43 02.939	+37 32 33.83	+0.0020	+0.024	4.36	2	4.55	2	4.71	2	A M		67321	OV?	
3878	7 ZET- 2	LYR	18 43 04.779	+37 32 28.32	+0.0015	+0.019	5.74	2	6.02	2	6.08	2	F0IV		67324	OV?	
3879	26	SGR	18 43 19.678	-22 26 46.86	+0.0022	+0.000	5.80						GK4		187255	D	
3880	T	AQL	18 43 20.040	+08 41 22.86	+0.0002	+0.019	9.0	6					M2	6	123894	V	
3881	V 535	HER	18 43 28.272	+21 55 51.47	+0.0010	+0.012	6.50		6.52				A P	6	86405	V	
3882	110	HER	18 43 30.511	+20 29 49.72	-0.0008	-0.334	4.19	2	4.65	2	4.67	2	F6V		86406	D	
3883	THE	PAV	18 43 43.343	-65 07 56.63	-0.0058	-0.081	5.73	2	5.97	2	6.08	2	A4		254374		
3884	5	AQL	18 43 53.586	-01 00 57.14	+0.0007	-0.021	5.64	2	5.78	2	5.86	2	A M+AM		142606	D	
3885	MU	CRA	18 44 14.852	-40 27 40.90	+0.0007	-0.014	5.24	2	6.02	2			G2		229285		
3886	BET	SCT	18 44 31.239	-04 48 10.73	-0.0005	-0.017	4.22	2	5.31	2	6.15	2	G5II		142618		
3887	111	HER	18 44 48.700	+18 07 28.04	+0.0051	+0.115	4.36	2	4.48	2	4.56	2	A3V		140493		
3888	R	SCT	18 44 48.745	-05 45 37.40	-0.0030	-0.028	5.20	2	6.67	2	8.30	2	G0IAE		142620	V	
3889	KO	AQL	18 44 49.343	+10 42 30.19	-0.0001	-0.016	8.5	6					A0	6	104094	V	
3890	V 356	SGR	18 44 54.357	-20 19 49.29	+0.0006	-0.003	6.87	4					B3V?+A2II	7	187294	V	
3891	ETA- 1	CRA	18 45 14.049	-43 44 11.56	+0.0022	-0.017	5.49	2	5.62	2			A2		229299		
3892	ETA- 2	CRA	18 45 59.249	-43 29 28.78	-0.0003	-0.022	5.64						B9		229307		
3893	RS	SCT	18 46 25.718	-10 17 56.27	+0.0020	-0.025	9.0	6					GN		161860	V	
3894	YZ	SGR	18 46 35.107	-16 46 51.54	-0.0018	-0.009	7.6	6					G0-G7	7	161870	V	
3895	29	SGR	18 46 42.092	-20 22 59.81	+0.0003	+0.036	5.37						GK4		187324	OV?	
3896	LAM	PAV	18 47 35.414	-62 14 51.43	+0.0000	-0.018	4.200	1	4.060	1	3.170	1	B1VE		254393	OV	
3897	S	SCT	18 47 37.090	-07 57 59.35	-0.0000	+0.002	7.0						C5-4		142674	OV	
3898	30	SGR	18 47 50.126	-22 13 16.17	-0.0017	-0.030	6.24						A7III		187342	D	
3899	6 NU - 1	LYR	18 47 54.152	+32 45 14.11	+0.0002	-0.008	5.80						B2		67441	D	
3900	50	DRA	18 47 59.715	+75 22 33.84	-0.0052	+0.076	5.36						A1		9250		

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IV MAG.	U N	SPECTRAL CLASS	S N	STAN CAT. NO.	STAR PROP.	S N
3901	9 NU - 2	LYR 18 48 00.801	+32 29 31.74		-0.0010	-0.014	5.14		5.200				A3V		67446	D	
3902	BB	SGR 18 48 01.973	-20 21 18.67		+0.0011	-0.028	7.6	4					G0	4	187349	V	
3903	10 BET- 1	LYR 18 48 13.935	+33 18 12.51		+0.0000	-0.002	3.420	1	3.420	1	2.850	1	B PE		67451	DV	
3904	10 BET- 2	LYR 18 48 15.800	+33 17 33.28		-0.0003	-0.004	7.78	4					B7V		67453	D	
3905	7	AQL 18 48 28.036	-03 19 13.17		-0.0033	-0.053	6.89	4					A2	4	142696		
3906	V 369	SCT 18 48 35.844	-06 24 47.12		+0.0007	-0.019	9.0	6	9.50	7	9.70	7	F8III	7	142702	V	
3907	KAP	TEL 18 48 41.748	-52 10 01.54		+0.0040	-0.103	5.27						GG8		245772		
3908	6	AQL 18 48 44.546	-03 22 40.70		-0.0002	-0.025	6.04						A3		142706		
3909	HS	HER 18 48 45.932	+24 39 35.75		-0.0007	-0.019	8.2	6					B8	6	96407	V	
3910	31	SGR 18 49 08.140	-21 58 54.68		+0.0027	-0.043	6.66	4					A2	4	187381		
3911	112	HER 18 50 08.204	+21 21 48.89		-0.0005	-0.008	5.20		5.130				B9III-III		96521		
3912	47 Om1	DRA 18 50 27.777	+59 19 36.35		+0.0095	+0.027	4.67	2	5.86	2	6.90	2	K0III-III		12118	D	
3913	33	SGR 18 51 00.802	-21 25 21.85		+0.0005	-0.015	5.75						CK0		187422		
3914	32 NU - 1	SGR 18 51 09.064	-22 48 29.54		+0.0007	-0.010	4.83	2	6.23	2	7.51	2	CK2		187426	D	
3915	DI	HER 18 51 21.755	+24 12 53.47		-0.0007	-0.011	8.3	6					A2	6	86544	V	
3916	KAP	PAV 18 51 48.301	-67 17 57.08		+0.0000	+0.013	3.90		4.500				F5P		254413	V	
3917	11 DEL- 1	LYR 18 51 58.672	+36 54 29.15		-0.0001	-0.003	5.51						B3		67537	V?	
3918	UX	SGR 18 52 01.462	-16 35 22.66		+0.0008	-0.011	8.5	6					M3	6	161972	V	
3919	35 NU - 2	SGR 18 52 05.766	-22 44 08.19		+0.0074	-0.026	4.98	2	6.30	2	7.80	2	K3P		187445		
3920	V 913	AQL 18 52 07.359	+10 34 07.35		+0.0004	-0.007	8.2	6					MB	6	104242	V	
3921	34 SIG	SGR 18 52 09.927	-26 21 38.29		+0.0010	-0.054	2.030	1	1.810	1	1.060	1	B2V		187448		
3922	113	HER 18 52 38.155	+22 34 49.85		+0.0005	+0.005	4.60	2	5.38	2	5.88	2	G0+A3		86567	D	
3923	12 DEL- 2	LYR 18 52 45.207	+36 50 02.93		-0.0011	+0.010	4.30	2	5.97	2	7.62	2	M4II		67559	DV	
3924	V1182	AQL 18 53 00.019	+09 16 53.47		+0.0008	+0.000	8.7	6					O9+R3	7	124049	V	
3925	62	SCA 18 53 01.098	+06 33 04.49		+0.0012	-0.087	5.57	2	6.61	2	7.48	2	GG9		124050		14n
3926	03 THE- 1	SCA 18 53 43.976	+04 08 13.25		+0.0031	+0.032	4.07	2	4.24	2	4.33	2	A5V		124068	DV?	
3927	03 THE- 2	SCA 18 53 45.420	+04 08 07.70		+0.0031	+0.027	4.99		5.190				A5N		124070	D	
3928	RW	SCT 18 53 45.556	-10 35 28.79		+0.0020	+0.015	8.8	6					M5	6	162009	V	
3929	13 R	LYR 18 53 48.728	+43 52 45.51		+0.0019	+0.084	4.000	1	5.590	1	7.000	1	M5III		47919	V	
3930	OME	PAV 18 54 10.179	-60 16 07.74		-0.0163	+0.035	5.14	2	6.51	2			K1III-IV		254423		
3931	36 XI - 1	SGR 18 54 22.208	-20 43 24.44		-0.0001	-0.007	5.06						A0I?		187498		
3932	ETA	SCT 18 54 23.005	-05 54 45.78		+0.0042	-0.036	4.80	2	6.60	2	7.62	2	K2III		142838		
3933	LAM	TEL 18 54 27.986	-53 00 22.78		+0.0014	-0.000	5.03						B9III		245814		
3934	37 XI - 2	SGR 18 54 44.830	-21 10 26.87		+0.0023	-0.012	3.510	1	4.690	1	5.820	1	K1III		187504		
3935	04	SCA 18 54 45.652	+02 28 05.27		-0.0005	-0.011	5.47		5.470				B8		124089		
3936	V 840	AQL 18 54 52.239	+06 37 53.83		-0.0024	-0.025	9.0	6					A2	6	124093	V	
3937	UG	LYR 18 54 56.654	+31 08 01.59		+0.0002	+0.011	8.8	6							67609	V	
3938	52 UPS	DRA 18 55 00.917	+71 13 50.81		+0.0094	+0.045	4.82	2	5.97	2	7.07	2	K0III		9283		
3939	EPS	CRA 18 55 21.108	-37 10 27.98		-0.0107	-0.097	4.87						F0V		210781	V	
3940	48	DRA 18 55 54.222	+57 44 52.65		-0.0049	-0.066	7.62						GK3		31284		
3941	FF	AQL 18 56 01.162	+17 17 32.43		-0.0003	-0.007	5.40		6.060	7			F5		104206	DV	
3942	10	AQL 18 56 29.112	+13 50 16.88		-0.0003	-0.051	5.90		6.140				A4P	7	104303	V	
3943	AR	SGR 18 56 39.868	-23 46 37.43		+0.0014	+0.008	9.3	6					G4	6	187547	V	
3944	11	AQL 18 56 47.531	+13 33 15.97		+0.0008	-0.122	5.22	2	5.75	2	5.82	2	F8IV		104308	DV?	
3945	14 GAM	LYR 18 57 04.294	+32 37 11.26		-0.0005	+0.002	3.240	1	3.190	1	3.110	1	B9III		67663	DV?	
3946	13 EPS	AQL 18 57 21.119	+14 59 56.41		-0.0036	-0.073	4.020	1	5.100	1	6.140	1	K2III		104318		
3947	15 LAM	LYR 18 58 07.566	+32 04 28.02		+0.0008	+0.013	4.96						K3II		67682		
3948	TY	CRA 18 58 18.546	-36 56 51.86		+0.0008	-0.043	8.7	7					B2	6	210829	DV	
3949	MT	TEL 18 58 30.762	-46 43 27.33		-0.0127	-0.109	8.8	6	8.94	7			A0	6	229444	V	
3950	12 -I	AQL 18 59 00.591	-05 48 39.65		-0.0015	-0.033	4.020	1	5.110	1	6.150	1	K1III		142931	V?	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)																						
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC			DECLINATION DEG MN SEC			P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
3951	38	ZET	SGR	18 59	25.892	-29 57	12.79	L	-0.0011	-0.001	2.590	1	2.670	1	2.720	1	A2III		187600		7	
3952		ZET	CRA	18 59	34.512	-42 10	05.43		+0.0049	-0.051	4.75	2	4.73	2	4.66	2	A0		229461			
3953	49		DRA	18 59	43.977	+55 35	09.93		-0.0025	-0.005	5.37						GG3		31323			
3954		V 523	SGR	18 59	44.851	-29 12	58.32		-0.0014	-0.028	9.2	6					A5	6	187605		V	
3955		V 599	AQL	18 59	48.032	-10 47	41.41		-0.0009	+0.006	6.68	4					B5	4	162122		V	
3956	16		LYR	19 00	01.391	+46 51	46.94		+0.0014	-0.083	5.02	2	5.21	2	5.30	2	A7		48011		7	
3957		KP	AQL	19 00	14.324	+15 43	35.93		-0.0002	+0.006	9.1	6					A3	6	104391		V	
3958	14	-G	AQL	19 00	16.464	-03 46	22.86		+0.0013	+0.007	5.42	2	5.42	2	5.35	2	A0		142959			
3959		SU	SGR	19 00	43.065	-22 47	10.47		+0.0003	-0.008	8.8	6					M7	6	187624		V	
3960		V 915	AQL	19 00	50.035	+12 10	41.10		-0.0008	-0.019	8.5	6					MR	6	104407		V	
3961		LT	VUL	19 01	33.664	+21 11	34.22		+0.0015	-0.020	6.46						F2III	7	86753		V	
3962		V 357	AQL	19 01	34.064	-02 06	18.12		-0.0015	-0.006	8.5	6					B3	6	142979		V	
3963	39	OMI	SGR	19 01	41.245	-21 48	59.52		+0.0057	-0.060	3.770	1	4.770	1	5.630	1	GG8		187643		7	
3964		V	AQL	19 01	43.953	-05 45	38.19		+0.0011	-0.005	6.7						C6-4		142985		V	
3965		SZ	AQL	19 02	07.051	+01 13	48.66		+0.0001	+0.003	8.7	6	9.740	7			K2	6	124227		V	
3966	15	-H	AQL	19 02	19.217	-04 06	26.70		+0.0011	-0.027	5.53						GK1		142996		7	
3967		RHO	TEL	19 02	22.677	-52 24	59.33		+0.0035	-0.115	5.16	2	5.69	2			DF8		245921			
3968		BL	TEL	19 02	43.938	-51 29	42.18		+0.0024	+0.005	7.33	4					F8	4	245923		V	
3969		V 843	AQL	19 02	44.886	-06 52	28.73		-0.0007	-0.007	9.3	6					B9	6	143004		V	
3970		GAM	CRA	19 03	02.400	-37 08	13.47		+0.0079	-0.273	4.21	2	4.73	2	4.75	2	F8V+F8V		210928		7	
3971	17	ZET	AQL	19 03	06.648	+13 47	15.86		-0.0005	-0.095	2.990	1	3.000	1	2.990	1	A0V?NN		104461		D	
3972		RX	TEL	19 03	17.992	-46 02	54.39		+0.0011	+0.000	8.9	4					MA	4	229497		V	
3973		V 805	AQL	19 03	31.107	-11 43	35.61		+0.0044	-0.025	8.2	4					A2	4	162189		V	
3974	16	LAM	AQL	19 03	35.688	-04 57	32.74		-0.0014	-0.088	3.430	1	3.340	1	3.070	1	B9?V?N		143021			
3975	51		DRA	19 03	47.703	+53 19	09.26		-0.0009	+0.025	5.32						A7		31371			
3976	40	TAU	SGR	19 03	49.160	-27 44	43.14		-0.0040	-0.249	3.310	1	4.510	1	5.650	1	K1III		187683			
3977		R	AQL	19 03	57.671	+08 09	10.25		+0.0002	-0.069	5.5						GM7E		124266		V	
3978		V 525	SGR	19 04	02.445	-30 14	19.31		+0.0026	+0.041	7.9	7					A2	6	210944		V	
3979	18	Y	AQL	19 04	37.312	+10 59	34.30		-0.0002	-0.028	5.16		5.070				B7V		104488		V	
3980		DEL	CRA	19 04	52.193	-40 34	34.10		+0.0032	-0.025	4.59	2	5.69	2	6.72	2	GK1		229513			
3981		V 526	SGR	19 05	02.231	-31 25	40.77		+0.0034	+0.050	9.7	7					A0	6	210970		V	
3982	18	IOT	LYR	19 05	30.954	+36 01	14.52		-0.0003	-0.001	5.17		5.060				B7IV		67834			
3983	17		LYR	19 05	32.035	+32 25	18.11		+0.0100	+0.023	5.00						DA7		67835		D	
3984		V 496	AQL	19 05	38.589	-07 31	04.34		+0.0008	-0.002	7.9	6	8.960	7			G5	6	143063		V	
3985		TT	AQL	19 05	41.394	+01 13	06.96		+0.0003	+0.009	7.7	4	8.660	7			G5	4	124305		V	
3986		ALP	CRA	19 06	04.345	-37 59	03.49		+0.0071	-0.099	4.110	1	4.150	1	4.240	1	A2		210990			
3987		V 398	LYR	19 06	31.368	+39 04	27.22		-0.0001	+0.011	7.55	4					M6	7	67859		V	
3988	19		AQL	19 06	32.906	+05 59	35.32		-0.0008	-0.075	5.29						DF2		124318			
3989		BET	CHA	19 06	35.486	-39 25	19.53		+0.0002	-0.037	4.110	1	5.310	1	6.380	1	GG3		211005			
3990	41	PI	SGR	19 06	47.450	-21 06	17.49	L	-0.0000	-0.035	2.890	1	3.240	1	3.460	1	F2II-III		187756		D	
3991		FM	AQL	19 06	54.029	+10 28	16.25		-0.0013	+0.004	8.6	6	9.700	7			K0	6	104533		V	
3992		V 353	SGR	19 08	59.273	-19 46	28.87		-0.0023	-0.007	9.2	6					M0	6	162297		V	
3993		RT	VUL	19 09	21.191	+22 17	55.73		-0.0006	-0.019	7.5	7					B8	7	86909		V	
3994		R	CEP	19 09	23.858	+88 56	21.52		+0.3046	+0.115	8.4	6					G5	6	3170		V	
3995		XZ	DRA	19 09	24.440	+64 46	33.10		+0.0041	+0.029	9.4	6							18183		V	
3996	55		DRA	19 09	34.715	+65 53	41.42		-0.0005	+0.034	6.13						A2		18187			
3997		OU	LYR	19 09	44.314	+32 31	46.77		-0.0012	+0.009	8.7	6					MB	6	67941		V	
3998	19		LYR	19 09	50.832	+31 11	55.92		-0.0008	+0.001	5.74		5.680				A0SI		67946			
3999		SZ	DRA	19 09	51.998	+66 01	06.97		-0.0015	+0.015	8.1	6					MB	6	18194		V	
4000	20		AQL	19 09	57.956	-08 01	28.93		+0.0009	-0.007	5.37						B3IV		143134		V?	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T. NO.	STAR PROP.	
4001	FN	AJL	19 10 17.431	+03 28 18.97		-0.0001	-0.013	8.6	6	9.650	7		G5	6	124302	V	
4002	FL	LYR	19 10 37.583	+46 14 18.17		-0.0000	+0.072	8.9	6				G5	6	48190	V	
4003	53	DRA	19 10 43.809	+56 46 24.31		+0.0041	+0.047	5.12					G8III		31469	V?	
4004	50	SGR	19 10 54.394	-36 19 51.43		-0.0014	-0.005	9.5	7				A2	6	211072	V	
4005	RW	SGR	19 10 59.089	-18 56 53.19		-0.0000	-0.008	9.2	6				A4	6	162379	V	
4006	59	DRA	19 11 01.096	+76 28 42.03		+0.0127	-0.121	5.14	2	5.45	2	5.45	F2V		9341		
4007	TAU	PAV	19 11 07.597	-69 16 42.31		+0.0018	-0.023	6.27	2	6.44	2	6.58	A M?		254508		
4008	21	AQL	19 11 11.383	+02 12 25.96		+0.0005	+0.003	5.16	2	5.09	2	4.67	38II-IIIP	7	124408	DV	
4009	V 842	AQL	19 11 23.486	+02 32 18.96		+0.0002	+0.012	8.9	6				MA	6	124413	V	
4010	20	LYR	19 12 03.290	+39 03 32.09		+0.0000	+0.003	4.38	2	4.24	2	3.57	B2IV		68010	DV?	
4011	42	SGR	19 12 28.542	-25 20 40.58	L	+0.0034	-0.025	4.83	2	5.38	2	5.70	DF5		127882		
4012	57	DRA	19 12 32.824	+67 34 25.02		+0.0158	+0.093	3.070	1	4.070	1	4.850	G9III		18222		
4013	W	AQL	19 12 41.684	-07 08 08.41		+0.0020	+0.008	7.7	4				SE	4	143184	V	
4014	54	DRA	19 13 01.631	+57 37 05.71		-0.0020	-0.069	5.12					K2III		31407		
4015	1	SGE	19 13 08.019	+21 08 36.41		+0.0027	+0.013	5.55					A1		86987		
4016	RY	SGR	19 13 16.933	-33 36 40.91		+0.0010	+0.025	6.1					F 0		211117	V	
4017	R	SGR	19 13 45.779	-19 23 49.00		+0.0005	+0.019	6.7	4				MSE	4	162394	V	
4018	22	AQL	19 14 02.486	+04 44 42.26		+0.0008	-0.015	5.38					A2		124455		
4019	1	VUL	19 14 03.973	+21 18 03.13		-0.0004	-0.001	4.77	2	4.73	2	4.18	B3IV		97010	DV?	
4020	21	LYR	19 14 37.858	+38 02 37.02		-0.0005	+0.004	4.37	2	5.62	2	6.85	K0II		68065		
4021	V 342	AQL	19 14 39.912	+09 15 13.32		-0.0004	+0.015	9.1	6				F0	6	124466	DV	
4022	43	SGR	19 14 42.594	-19 02 37.10		-0.0008	-0.015	5.03					G8II		162413		
4023	25	OME- 1	19 15 28.107	+11 30 13.93		+0.0000	+0.016	5.06					A3		104601		
4024	RS	VUL	19 15 32.252	+22 21 00.57		+0.0010	+0.005	6.9	4				B8	4	87035	V	
4025	2	ES	19 15 36.580	+22 56 03.18		-0.0000	-0.004	5.30					B9.5IV		87036	DV	
4026	1	KAP	19 15 56.786	+53 16 31.87		+0.0061	+0.125	3.760	1	4.730	1	5.470	K0III		31537		
4027	23	AQL	19 15 59.792	+00 59 34.10		+0.0005	+0.020	5.15					K2II-III		124487	DV?	
4028	24	AJL	19 16 17.404	+00 14 47.21		+0.0006	+0.013	6.34					GG9		124402		
4029	V1942	SGR	19 16 17.824	-16 00 03.03		+0.0019	+0.003	7.2	6				N0	6	162465	V	
4030	60	DRA	19 16 31.472	+73 15 47.87		-0.0330	+0.111	4.45	2	5.70	2	7.15	K3III		9366	V?	
4031	V 889	AQL	19 16 34.383	+16 09 27.96		-0.0002	-0.004	8.2	6				A	6	104708	V	
4032	U	SGE	19 16 37.057	+19 31 04.09		+0.0015	+0.003	6.5					B7III+K1II		104711	V	
4033	28	AQL	19 17 19.291	+12 16 51.58		+0.0004	+0.022	5.34		6.060			F2III	7	104722	V	
4034	24	OME- 2	19 17 31.899	+11 26 27.55		+0.0027	+0.027	5.99					A3V		104728		
4035	26	AQL	19 17 52.720	-05 30 38.65		+0.0075	+0.048	5.10					G8III-IV		143286		
4036	27	AQL	19 18 00.843	-00 59 11.83		+0.0002	+0.007	5.49	2	5.45	2	5.22	B9		143202		
4037	44	RHO- 1	19 18 46.401	-17 56 34.67		-0.0018	+0.024	3.930	1	4.150	1	4.290	F0IV		162512		
4038	ETA	TEL	19 18 49.411	-54 31 07.68		+0.0021	-0.069	5.05	2	5.07	2	4.18	A0		246055		
4039	46	UPS	19 18 51.834	-16 03 01.82		+0.0000	-0.006	4.61	2	4.71	2	4.18	A PEP		162518	V	
4040	45	RHO- 2	19 18 55.912	-18 24 10.03		+0.0070	-0.092	6.02					GG9		162521		
4041	BET- 1A	SGR	19 19 02.816	-44 33 17.72		+0.0006	-0.018	4.009	2	3.929	2	3.609	B8V		229646	D	134
4042	BET- 1B	SGR	19 19 05.399	-44 33 10.21		+0.0006	-0.005	7.928	2	7.848	2	7.528	A3		229647	D	135
4043	Z	VUL	19 19 35.302	+25 28 44.04		+0.0004	-0.000	7.38	7				B4V+A2-3II	7	87113	V	
4044	BET- 2	SGR	19 19 36.611	-44 53 44.93		+0.0091	-0.052	4.29	2	4.63	2	4.70	DF1		229654		
4045	58	PI	19 20 24.896	+65 37 05.16		+0.0017	+0.042	4.59	2	4.61	2	4.67	A2IV		18299		
4046	ALP	SGR	19 20 25.492	-40 42 43.10		+0.0026	-0.121	3.97	2	3.87	2	3.54	B9III		229659		
4047	3	VUL	19 20 47.905	+26 09 54.85		-0.0002	-0.008	5.18	2	5.06	2	4.53	B6III		87136	V?	
4048	2	SGE	19 22 07.276	+16 50 20.54		-0.0003	-0.010	5.96		6.010			A M		104797		
4049	2	CYG	19 22 09.199	+29 31 20.47		+0.0011	+0.014	4.97	2	4.88	2	4.16	B3IV		87150		
4050	47	CHI- 1	19 22 14.012	-24 36 26.63		+0.0041	-0.054	5.03	2	5.26	2		DA5		188101	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
4051	49 CHI- 2	Sgr	19 22 28.169	-24 03 43.16	-0.0010	-0.004	5.56						GK4		188105	V?	
4052	3	Sgr	19 22 30.479	+16 51 28.42	+0.0026	-0.008	6.76	4					A0	4	104804		
4053	31 -B	Aql	19 22 35.096	+11 50 09.47	+0.0492	+0.640	5.16	2	5.94	2	6.36	2	G8IV		104807	V?	
4054	30 DEL	Aql	19 22 58.597	+03 00 48.98	+0.0169	+0.083	3.360	1	3.680	1	3.720	1	F0IV		124603	V?	
4055	CH	Cyg	19 23 14.181	+50 08 31.02	-0.0009	-0.015	7.07	4					MB	4	31632	V	
4056	4	Vul	19 23 16.878	+19 41 57.23	+0.0066	-0.063	5.19		6.160				K0III		104818	D	
4057	50	Sgr	19 23 20.271	-21 52 38.41	+0.0024	+0.000	5.59	2	6.81	2			GK3		188121		
4058	UX	Dra	19 23 22.408	+76 27 41.68	-0.0036	+0.002	5.8	4	8.670	7			MB	4	9404	V	
4059	RR	Lyr	19 23 52.140	+42 41 11.91	-0.0110	-0.184	7.2	4	7.34	7			F5	4	48421	V	
4060	32 NU	Aql	19 23 57.612	+00 14 14.84	-0.0002	+0.003	4.67	2	5.27	2	5.78	2	F2IB		124628		
4061	5	Vul	19 24 02.155	+19 59 49.81	+0.0001	-0.034	5.63		5.580				A0V		104831		
4062	4	Cyg	19 24 20.985	+36 12 59.35	+0.0001	+0.011	5.12		5.010				A SI		68301		
4063	TT	Lyr	19 25 57.680	+41 35 55.51	-0.0028	+0.006	8.8	6							48466	V	
4064	7	Cyg	19 26 12.441	+52 13 04.35	-0.0021	-0.023	5.56						A0		31673		
4065	35 -C	Aql	19 26 29.255	+01 50 48.66	-0.0004	-0.031	5.80	2	5.88	2	5.95	2	A0		124675		
4066	MU	TEL	19 26 31.603	-55 12 53.33	+0.0043	-0.012	6.41						DF6		246131		
4067	6 ALP	Vul	19 26 37.410	+24 33 44.89	-0.0093	-0.103	4.45	2	5.95	2	7.77	2	M0III		87261		
4068	U	Aql	19 26 39.930	-07 08 53.40	+0.0014	+0.003	6.20		7.300				G4		143454	DV	
4069	8	Vul	19 26 51.753	+24 39 51.71	-0.0001	+0.016	5.83						GG6		87267		
4070	7	Vul	19 27 09.914	+20 10 31.11	-0.0000	-0.019	6.34		6.230				B5V		87269		
4071	36 -E	Aql	19 28 02.906	-02 53 40.34	+0.0012	-0.006	5.22						M1III		143482	V?	
4072	V 923	Aql	19 28 02.933	+03 20 19.11	+0.0005	+0.007	6.32						A0P		124704	V	
4073	10 IOT	Cyg	19 28 26.674	+51 37 20.98	+0.0019	+0.130	3.790	1	3.930	1	4.040	1	A5V		31702		
4074	V 822	Aql	19 28 39.650	-02 12 59.83	-0.0005	+0.002	6.73	4					B8	4	143494	DV	
4075	6 BET- 1	Cyg	19 28 42.222	+27 51 12.44	+0.0001	-0.002	3.080	1	4.210	1	4.830	1	K5II?+B?		87301	D	
4076	AF	Cyg	19 28 42.955	+46 02 31.72	+0.0027	+0.010	6.4	4					M4	4	48521	V	
4077	6 BET- 2	Cyg	19 28 44.302	+27 51 32.68	-0.0008	+0.002	5.11	2	5.01	2	4.69	2	B8V		87302	D	
4078	V1125	Cyg	19 29 52.865	+31 45 35.97	+0.0003	-0.005	8.2	6					MB	6	68445	V	
4079	6	Cyg	19 29 54.724	+34 20 44.00	-0.0002	-0.000	4.74	2	4.61	2	3.94	2	B3IV		68447		
4080	VJ790	Sgr	19 30 28.164	-16 43 06.33	+0.0013	-0.019	7.4	6					M2	6	162748	V	
4081	V1293	Aql	19 30 39.373	+04 55 14.55	+0.0006	-0.001	6.82	4					M5III	7	124777	V	
4082	Z	PAV	19 30 54.529	-62 52 07.13	+0.0032	-0.034	9.1	7					MB	6	254601	V	
4083	V1294	Aql	19 31 07.185	+03 39 07.84	+0.0013	+0.001	6.78	4	6.80	7			B1IVEV	7	124788	V	
4084	V 450	Aql	19 31 18.040	+05 21 23.91	-0.0011	-0.025	6.73	4					MB	4	124789	V	
4085	AQ	Sgr	19 31 27.098	-16 29 02.23	-0.0009	+0.010	8.5	6					NB	6	162777	V	
4086	XZ	Cyg	19 31 27.372	+56 16 47.18	+0.0103	-0.019	9.2	6					A3	6	31761	V	
4087	IOT	TEL	19 31 30.714	-48 12 32.55	-0.0013	-0.036	4.90	2	5.99	2	6.87	2	G9III		229751		
4088	38 MU	Aql	19 31 38.752	+07 16 16.89	+0.0144	-0.157	4.45	2	5.63	2			K3III		124799	DV?	
4089	37 -K	Aql	19 32 21.954	-10 40 16.41	+0.0005	-0.003	5.24						G8III		162792		
4090	9	Vul	19 32 23.047	+19 39 46.38	+0.0005	+0.003	4.99	2	4.92	2	4.49	2	B7V		104990	D	
4091	61 SIG	Dra	19 32 27.585	+69 34 34.10	+0.1098	-1.744	4.69	2	5.49	2	5.86	2	K0V		18396	V?	
4092	9	Cyg	19 32 51.638	+29 21 06.78	+0.0010	+0.026	5.32						F5+A0		87385		
4093	V 417	Aql	19 32 56.560	+05 43 38.50	-0.0006	-0.007	10.0	6					G0	6	124824	V	
4094	51 -H- 1	Sgr	19 32 59.600	-24 49 49.11	+0.0009	-0.022	5.67	2	5.86	2			A M		188326	V?	
4095	V1264	Cyg	19 33 09.002	+43 50 06.00	+0.0019	+0.006	6.58	7	6.53	7			A0P	6	48604	V	
4096	52 -H- 2	Sgr	19 33 39.969	-24 59 44.24	+0.0052	-0.018	4.60	2	4.54	2	4.39	2	B9		188337	D	
4097	V 909	Cyg	19 33 52.284	+28 10 01.26	+0.0029	-0.001	9.1	6					A0	6	87421	V	
4098	11	Cyg	19 34 00.416	+36 49 57.06	+0.0004	-0.001	5.78		5.660				B8V		68552		
4099	41 IOT	Aql	19 34 08.067	-01 23 55.88	+0.0001	-0.016	4.36	2	4.27	2	3.83	2	B5III		143597	DV?	
4100	39 KAP	Aql	19 34 12.072	-07 08 24.73	+0.0000	-0.004	4.96	2	4.96	2	4.09	2	B0.5III		143600	V?	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G II
4101	U	VUL	19 34 26.480	+20 13 12.31	-0.0003	-0.010	6.6		7.74	7			G5		87447	V	
4102	4 EPS	SGE	19 35 01.520	+16 20 57.07	+0.0013	+0.016	5.54						G8III		105061	DV?	
4103	13 THE	CYG	19 35 05.974	+50 06 16.11	-0.0025	+0.256	4.47	2	4.86	2	4.84	2	F4V		31815	D	
4104	42	AQL	19 35 08.149	-04 45 38.28	+0.0069	-0.050	5.52						DF1		143621		
4105	R	CYG	19 35 28.691	+50 05 11.53	-0.0006	-0.007	5.6	4					SF	4	31822	V	
4106	44 SIG	AQL	19 36 43.517	+05 16 56.88	-0.0001	+0.001	5.0		5.040	7			B3V		124903	DV	
4107	53	SGR	19 36 49.241	-23 32 34.90	+0.0001	-0.031	6.24						A0		188407	D	
4108	12 PHI	CYG	19 37 24.015	+30 02 13.10	+0.0000	+0.042	4.70	2	5.65	2	6.44	2	G8III-IV		68637		
4109	V1143	CYG	19 37 33.734	+54 51 21.62	+0.0042	+0.169	5.82						DF4		31850	V	
4110	14	CYG	19 37 48.726	+42 42 06.22	+0.0016	+0.030	5.36		5.280				A P		48691		
4111	54	SGR	19 37 51.562	-16 24 33.95	+0.0047	-0.045	5.45						K2III		162883	D	
4112	5 ALP	SGE	19 37 51.612	+17 53 51.21	+0.0009	-0.020	4.37	2	5.14	2	5.57	2	G0II		105120	D	
4113	45	AQL	19 38 08.772	-00 44 18.60	+0.0010	+0.017	5.52						A2		143678	D	
4114	QS	AQL	19 38 46.573	+13 41 53.57	-0.0003	-0.014	6.1						B3		105132	DV	
4115	6 BET	SGE	19 38 48.129	+17 21 31.95	+0.0006	-0.033	4.37	2	5.42	2	6.31	2	G8II		105133		
4116	TT	CYG	19 39 01.902	+32 30 02.21	-0.0002	+0.002	8.0	6					N3E	7	68688	V	
4117	BR	CYG	19 39 25.249	+46 40 01.61	-0.0012	+0.016	9.1	6							48721	V	
4118	55 -E	SGR	19 39 39.567	-16 14 33.95	+0.0044	-0.010	5.06	2	5.39	2			F0II		162915		
4119	46	AQL	19 39 52.007	+12 04 28.62	-0.0003	-0.002	6.24		6.230				B8III		105156		
4120	47 CHI	AQL	19 40 12.766	+11 42 27.07	-0.0002	-0.005	5.22						DF3+A3		105168	DV?	
4121	16 -C- 1	CYG	19 40 29.115	+50 24 30.26	-0.0162	-0.151	5.95	2	6.59	2	6.79	2	G2V		31898	D	
4122	16 -C- 2	CYG	19 40 32.047	+50 24 02.76	-0.0146	-0.160	6.20	2	6.86	2	7.07	2	G5V		31899	D	
4123	RX	OCT	19 40 35.157	-78 50 56.99	+0.0320	-0.007	9.1	6							257730	V	
4124	V1276	CYG	19 40 48.917	+29 12 41.39	+0.0045	+0.049	6.39	7					F0		87612	V	
4125	V1351	CYG	19 40 57.796	+55 20 40.10	+0.0009	-0.038	5.35		6.92	7			GMS		31906	DV	
4126	10	VUL	19 41 38.098	+25 39 03.92	+0.0008	+0.022	5.34						G8III		87633		
4127	RT	CYG	19 42 12.630	+48 39 25.77	-0.0005	+0.019	6.3	4					M3E	4	48773	V	
4128	48 PSI	AQL	19 42 14.523	+13 10 53.69	-0.0006	-0.004	6.12		6.080				B8IV		105199		
4129	15	CYG	19 42 28.301	+37 13 56.98	+0.0059	+0.035	4.85						G8III		68778		
4130	SU	CYG	19 42 48.509	+29 08 34.10	-0.0001	+0.000	6.4		6.820	7			F2P		87659	V	
4131	V 973	CYG	19 43 07.120	+40 35 42.40	-0.0060	-0.021	6.26						M3III		48789	V	
4132	49 UPS	AQL	19 43 13.917	+07 29 26.45	+0.0034	+0.004	5.91	2	6.09	2	6.18	2	A2		125032		
4133	18 DEL	CYG	19 43 24.671	+45 00 28.23	+0.0046	+0.049	2.870	1	2.850	1	2.750	1	B9.5III		48796	DV?	
4134	56 -F	SGR	19 43 26.803	-19 52 58.53	-0.0093	-0.087	5.06						K1III		162964		
4135	UW	SGR	19 43 32.556	-18 16 30.22	+0.0005	-0.024	8.8	6					N0	6	162965	V	
4136	50 GAM	AQL	19 43 52.907	+10 29 24.38	+0.0011	+0.002	2.720	1			5.920	1	K3II		105223		
4137	NU	TCL	19 43 56.776	-56 29 05.84	+0.0113	-0.135	5.35	2	5.55	2			A M		246271		
4138	17	CYG	19 44 31.601	+33 36 36.80	+0.0014	-0.445	4.99	2	5.45	2	5.45	2	F5V		68827	D	
4139	17	CYG	19 44 33.595	+33 36 45.69	+0.0021	-0.438	9.2	4					K5	4	68830	D	
4140	T	PAV	19 45 08.004	-71 53 52.31	-0.0010	-0.008	7.3	4					M3E	4	257742	V	
4141	7 DEL	SGE	19 45 09.429	+18 24 34.68	+0.0005	+0.010	3.830	1	5.240	1	6.200	1	M2II?+B?		105259	V?	
4142	00	AQL	19 45 48.347	+09 11 01.52	+0.0044	-0.003	9.0	6					G5	6	125084	V	
4143	52 PI	AQL	19 46 20.639	+11 41 24.51	+0.0011	-0.002	5.61						DF2+A2		105282	DV?	
4144	S	VUL	19 46 20.662	+27 09 38.92	-0.0009	-0.006	10.2	4					M2	4	87743	V	
4145	V1154	CYG	19 46 37.438	+43 00 04.94	+0.0007	+0.028	8.8	6							48854	V	
4146	B ZET	SGE	19 46 45.415	+19 00 55.53	+0.0014	+0.031	5.00	2	5.10	2	5.16	2	A3V		105298	D	
4147	V 697	CYG	19 48 00.168	+52 39 28.61	-0.0022	+0.013	8.8	6					M2	6	32028	V	
4148	51	AQL	19 48 01.762	-10 53 30.81	-0.0021	+0.034	5.55						F0IV		163036	D	
4149	53 ALP	AQL	19 48 20.590	+08 44 05.71	+0.0362	+0.387	0.760	1	0.980	1	1.070	1	A7V		125122	D	
4150	63 EPS	DRA	19 48 21.063	+70 08 26.54	+0.0154	+0.039	3.820	1	4.710	1	5.230	1	G8III		9540	DV?	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	G N
4151	HO TEL	19 48 21.623	-46 59 23.69		-0.0028	-0.013	8.1	6					A2	6	229902	V	
4152	54 OMI AQL	19 48 37.857	+10 17 21.17		+0.0162	-0.138	5.10						F8V		175338	D	
4153	CHI CyG	19 48 38.484	+32 47 11.78		-0.0024	-0.038	4.23	2	6.05	2	7.01	2	S7-1F		68943	V	
4154	19 CyG	19 48 47.584	+38 35 33.82		+0.0007	+0.108	5.24						GM2		68947	DV?	
4155	V 360 CyG	19 48 54.249	+40 28 17.49		-0.0005	-0.006	5.6						B1IV?		48892	V	
4156	12 VUL	19 48 54.839	+22 28 53.99		+0.0015	-0.017	4.96	2	4.84	2	4.15	2	B3VE		87813		
4157	57 SGR	19 49 17.736	-19 10 24.73		-0.0000	-0.057	5.99						GG5		163060		
4158	20 -D CyG	19 49 22.412	+52 51 37.60		-0.0015	-0.066	5.00						K3III		32042	V?	
4159	SV VUL	19 49 27.798	+27 19 52.77		+0.0004	-0.000	6.73	7	7.87	7			F7IAB-KOIA	7	87829	V	
4160	V1162 AQL	19 49 35.212	-11 29 46.22		+0.0013	+0.021	8.2	6					G5	6	163067	V	
4161	55 ETA AQL	19 49 55.525	+00 52 33.23		+0.0005	-0.006	3.600	1	4.270	1	4.800	1	F6IB		125159	V	
4162	9 SGE	19 50 07.878	+18 32 31.85		-0.0002	-0.002	6.22	2	6.23	2	5.31	2	O8F		105360		
4163	V 505 SGR	19 50 17.153	-14 43 57.84		-0.0005	-0.042	6.5						A1V+F6?	7	163080	V	
4164	V 480 CyG	19 50 33.743	+34 28 51.02		-0.0032	-0.018	9.1	6							69006	V	
4165	V1291 AQL	19 50 41.602	-03 14 43.33		+0.0014	-0.017	5.64		5.84				ASP	7	143883	V	
4166	S PAV	19 51 00.957	-59 19 37.62		+0.0004	-0.054	6.8	4					M7E	4	246334	V	
4167	13 VUL	19 51 20.091	+23 56 52.78		+0.0019	+0.040	4.58	2	4.52	2	4.39	2	A0III		87883	D	
4168	56 AQL	19 51 25.493	-08 42 19.98		+0.0001	-0.018	6.02						GK5		143894		
4169	V 449 CyG	19 51 26.823	+33 49 07.16		-0.0027	+0.029	7.7	6					M3	7	69031	V	
4170	V 819 CyG	19 51 32.369	+47 40 36.27		-0.0013	-0.007	6.16						B0.5IIIP		48940	V	
4171	10T SGR	19 51 48.997	-42 00 05.48		+0.0013	+0.056	4.125	1	5.210	1	6.025	1	K0III		229927		
4172	59 XI AQL	19 51 49.434	+08 19 50.59		+0.0066	-0.079	4.68	2	5.73	2	6.62	2	K0III		125210		
4173	AT VUL	19 51 50.352	+23 25 58.51		-0.0003	+0.002	9.0	6					A0	6	87898	V	
4174	57 A AQL	19 51 55.256	-08 21 32.32		+0.0004	-0.024	5.70	2	5.62	2	5.13	2	B5N		143898	D	
4175	57 B AQL	19 51 55.686	-08 22 07.69		+0.0012	-0.026	6.48	2	6.44	2	6.17	2	B8N		143899	D	
4176	58 AQL	19 52 11.093	+00 08 29.86		+0.0026	-0.010	5.53						A0		125219		
4177	23 CyG	19 52 15.844	+57 23 30.98		+0.0006	+0.015	5.01		4.880				B5V	6	32085		
4178	V2617 SGR	19 52 18.388	-24 06 10.64		+0.0024	+0.004	9.4	6					A0		188715	V	
4179	58 OME SGR	19 52 46.744	-26 26 01.47		+0.0155	+0.083	4.700	1	5.450	1	5.770	1	DG5		188722		
4180	60 BET AQL	19 52 51.383	+06 16 49.84		+0.0029	-0.479	3.720	1	4.580	1	5.070	1	G8IV		125235	DV?	
4181	10 S SGE	19 53 44.919	+16 30 03.99		+0.0002	-0.003	5.40		6.200				F6IB		105436	V	
4182	61 PHI AQL	19 53 52.111	+11 17 22.88		+0.0021	+0.009	5.23		5.210				A1V		105438		
4183	59 -B SGR	19 53 52.875	-27 18 14.61		+0.0007	-0.012	4.50	2	5.96	2	7.52	2	GK3		188742		
4184	22 CyG	19 54 04.405	+38 21 10.14		-0.0003	+0.003	4.95	2	4.86	2	4.34	2	B6III		69101		
4185	24 PSI CyG	19 54 20.175	+52 18 19.76		-0.0045	-0.028	4.92	2	5.04	2	5.10	2	A3IV-V		32114	D	
4186	21 ETA CyG	19 54 25.726	+34 56 58.23		-0.0027	-0.026	3.930	1	4.960	1	5.840	1	K0III		69116	DV?	
4187	EPS PAV	19 54 50.758	-73 02 43.83		+0.0188	-0.131	3.960	1	3.920	1	3.860	1	A0V		257757	V?	
4188	61 -G SGR	19 55 06.936	-15 37 32.32		+0.0009	-0.098	5.05						A2IV		163141		
4189	RU SGR	19 55 16.833	-41 59 07.80		-0.0009	-0.122	6.8	4					M4E	4	229959	V	
4190	X VUL	19 55 23.908	+26 25 16.31		+0.0008	+0.003	8.46	7	9.73	7			K2	6	87900	V	
4191	11 SGE	19 55 29.144	+16 39 11.54		+0.0007	+0.018	5.38		5.310				B9IV		105471		
4192	MU - 1 PAV	19 55 32.272	-67 05 01.32		-0.0023	-0.196	5.76	2	6.80	2	7.60	2	GK0		254702		
4193	V 548 CyG	19 55 47.031	+54 39 50.79		-0.0004	+0.019	8.5	6					A0	6	32137	V	
4194	60 A SGR	19 55 54.576	-26 19 57.29		+0.0027	+0.034	4.82	2	5.71	2	6.25	2	GG5		188778		
4195	CQ CyG	19 56 24.243	+53 10 26.37		+0.0009	-0.001	8.9	6					F2	6	32144	V	
4196	V1357 CyG	19 56 28.843	+35 03 54.51		-0.0016	-0.018	8.6	6	9.40	7			B0IBEV	7	69181	V	
4197	THE- 1 SGR	19 56 29.133	-35 24 47.51		+0.0006	-0.024	4.36	2	4.21	2	3.54	2	B3IV		211716		
4198	6AM SGE	19 56 31.938	+19 21 18.47		+0.0046	+0.025	3.470	1	5.040	1	6.970	1	K5III		105500		
4199	THE- 2 SGR	19 56 36.763	-34 50 03.17		+0.0081	-0.074	5.34						A M?		211717	D	
4200	14 VUL	19 57 01.719	+22 57 50.35		-0.0052	+0.009	5.63						F0		88016		

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C-T.NO.	STAR PROP.	G N
4201	MU - 2 PAV	19 57 01.732	-67 04 54.09		+0.0066	-0.072	5.31	2	6.53	2	7.82	2	GK0		254707		
4202	V 393 CYG	19 57 09.049	+43 09 30.78		-0.0047	-0.025	9.0	6					A0	6	49051	V	
4203	BS DRA	19 57 12.641	+73 28 48.10		-0.0000	-0.012	8.8	6					F5	6	9579	V	
4204	QZ CYG	19 57 15.939	+38 07 29.65		-0.0013	+0.004	9.3	6							69206	V	
4205	NU PAV	19 57 32.635	-59 30 51.86		+0.0021	-0.029	5.12		6.67	7	7.67	7	GM6		246389	V	
4206	13 VZ SGE	19 57 47.758	+17 22 43.03		+0.0002	-0.010	5.39						GM4		105522	V	
4207	25 CYG	19 58 05.067	+36 54 17.27		-0.0001	+0.006	5.20		5.030				B3VE		69231		
4208	15 VUL	19 59 02.403	+27 36 51.43		+0.0044	+0.010	4.65	2	4.83	2	4.99	2	A M		88071		
4209	63 SGR	19 59 10.586	-13 46 37.65		+0.0024	+0.018	5.76						A2		163195		
4210	V 485 CYG	19 59 19.969	-33 47 19.39		+0.0020	+0.050	8.6	6					MC	6	69264	V	
4211	62 -C SGR	19 59 35.183	-27 51 01.64		+0.0029	+0.019	4.590	1	6.240	1	8.050	1	M4III		188844	V	
4212	16 VUL	19 59 54.081	+24 47 48.51		+0.0064	+0.072	5.21						F5II		88098		
4213	26 -E CYG	19 59 56.650	+49 57 53.05		+0.0015	+0.006	5.18		6.280				K1III-III		49098		
4214	CF CYG	20 00 06.757	+51 56 55.21		+0.0008	+0.008	9.0	6					A2	6	32207	V	
4215	V1295 AGL	20 00 34.435	+05 35 49.65		-0.0001	+0.003	8.6	6					A0EP	7	125381	V	
4216	64 -E DRA	20 00 56.986	+64 40 50.55		+0.0007	-0.010	5.23						GM1		18658		
4217	69 DRA	20 01 02.423	+76 20 33.59		-0.0085	-0.056	6.20	2	7.81	2	9.70	2	M3III		9606		
4218	14 SGE	20 01 12.665	+15 53 22.93		+0.0001	-0.003	5.50		5.370				B8II-III		105615		132
4219	63 TAU AGL	20 01 41.745	+07 08 07.87		+0.0009	+0.013	5.52	2	6.58	2	7.44	2	GK0		125403		
4220	65 DRA	20 01 47.129	+64 29 34.34		+0.0066	+0.012	6.54						GG7		18669		
4221	62 AGL	20 01 48.614	-00 51 00.41		+0.0000	-0.116	5.68	2	6.98	2	8.33	2	GK4		144045		
4222	V1362 CYG	20 01 50.106	+36 17 01.10		+0.0001	-0.003	8.2	6					B2	6	69334	V	
4223	15 SGE	20 01 51.341	+16 56 00.49		-0.0277	-0.411	5.80	2	6.41	2	6.50	2	DG1		105635		133
4224	64 SGR	20 02 19.794	-11 44 32.17		-0.0003	-0.012	6.46						GF4		163245		
4225	CD CYG	20 02 31.534	+33 58 10.52		+0.0003	+0.007	9.1	6							69357	V	
4226	67 RHO DRA	20 02 35.927	+67 43 51.20		+0.0020	+0.050	4.50	2	5.81	2	7.31	2	K3III		18676		
4227	AA CYG	20 02 36.645	+36 40 26.28		-0.0010	-0.010	8.4	6					NP	6	69360	V	
4228	65 SGR	20 02 39.592	-12 48 28.62		+0.0004	-0.049	6.41						A0		163253		
4229	16 ETA SGE	20 02 56.348	+19 50 47.52		+0.0020	+0.083	5.08						K2III		105659		
4230	V 477 CYG	20 03 29.474	+31 49 39.65		+0.0003	-0.016	8.5	6					A0	6	69381	V	
4231	XI TEL	20 03 33.869	-53 01 33.20		-0.0008	+0.010	4.930	1	6.540	1	8.370	1	M2III		246443		
4232	DEL PAV	20 03 50.451	-66 18 43.41		+0.1988	-1.141	3.560	1	4.320	1	4.780	1	G8V		254713	V?	
4233	V1943 SGR	20 03 51.926	-27 22 09.20		+0.0026	-0.063	7.8	6					M8	6	188923	V	
4234	V 448 CYG	20 04 16.695	+35 14 29.47		+0.0025	+0.005	8.3	6					B3	6	69410	V	
4235	27 -B- 1 CYG	20 04 30.205	+35 50 01.52		-0.0189	-0.435	5.33	2	6.18	2	6.72	2	K0IV		69413		
4236	V 453 CYG	20 04 42.139	+35 35 45.06		-0.0003	+0.014	8.3	6							69422	V	
4237	17 VUL	20 04 44.396	+23 28 08.95		+0.0010	+0.005	4.96						B3V		88212		
4238	66 DRA	20 04 45.227	+61 50 59.76		+0.0167	+0.076	5.40						K3III		18700		
4239	SW CYG	20 05 23.583	+46 09 14.58		-0.0015	-0.001	9.0	6					A2	6	49198	V	
4240	64 SGR	20 05 26.899	-00 49 24.60		+0.0075	-0.068	5.99	2	7.01	2	7.91	2	GK1		144095		
4241	V 395 CYG	20 07 00.499	+43 54 47.77		+0.0002	-0.010	8.2	6					G0	6	49234	V	
4242	KR CYG	20 07 05.148	+30 24 10.64		+0.0031	-0.012	9.1	6					A0	6	69504	V	
4243	26 -B- 2 CYG	20 07 34.092	+36 41 29.09		+0.0001	+0.016	4.92	2	4.80	2	4.02	2	B3VE		69518		
4244	X PAV	20 07 34.184	-60 05 09.20		+0.0059	-0.021	9.2	7					MC	6	254747	V	
4245	V 346 AGL	20 07 35.970	+10 12 05.98		-0.0004	-0.002	8.6	6					A0	6	105774	V	
4246	THE- 1 SGE	20 07 40.055	+20 44 54.04		-0.0003	+0.009	7.29	4					K2	4	88270		
4247	17 THE- 2 SGE	20 07 43.696	+20 46 04.93		+0.0042	+0.103	8.6	4					G5	4	88275		
4248	17 THE- 3 SGE	20 07 44.152	+20 45 55.27		+0.0038	+0.103	6.48	2	6.86	2	6.82	2	DF1		88276		
4249	V 564 AGL	20 07 54.353	-01 46 35.73		-0.0011	-0.010	9.2	6					M8	6	144135	V	
4250	18 VUL	20 08 28.186	+26 45 17.63		+0.0014	+0.016	5.53	2	5.61	2	5.74	2	A3III		88285		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
4251	K	CAP	20 08 30.184	-14 25 02.37	+0.0003	-0.004	9.1	4							163323	V	
4252	65 THE	AGL	20 08 43.494	-00 58 16.06	+0.0024	+0.007	3.220	1	3.150	1	3.030	1	R9.5III		144150		
4253	1 XI - 1	CAP	20 09 11.715	-12 32 32.44	-0.0006	-0.016	6.44	1					K0III		163328		
4254	RX	CYG	20 09 17.740	+47 39 49.46	-0.0018	+0.015	7.5	4					B3	4	49282	V	
4255	S	AGL	20 09 19.377	+15 28 13.07	+0.0013	-0.020	8.4	4							105807	V	
4256	RW	AGL	20 09 33.665	+15 54 33.73	-0.0000	+0.007	9.1	6							105818	V	
4257	2 XI - 2	CAP	20 09 38.773	-12 45 55.47	+0.0132	-0.193	5.88						FRV		163317		
4258	19	VUL	20 09 42.523	+26 39 31.53	+0.0004	-0.007	5.49	2	6.90	2	8.40	2	K3II-III		88310		
4259	20	VUL	20 09 54.805	+26 19 42.13	+0.0005	-0.008	5.92	2	5.81	2	5.38	2	B7VE?		88339		
4260	V1042	CYG	20 10 00.785	+36 02 48.80	-0.0000	-0.009	8.2	6					OA	6	69584	V	
4261	1 KAP	CEP	20 10 36.574	+77 33 42.35	+0.0030	+0.027	4.39	2	4.34	2	4.25	2	B9III		9665		
4262	66	AGL	20 10 38.946	-01 09 37.85	+0.0013	-0.026	5.64						GK5		144141		
4263	68	DRA	20 10 45.865	+61 55 36.56	+0.0170	+0.085	5.67						DF5		18751		
4264	AC	CYG	20 11 21.301	+49 17 55.84	+0.0008	+0.026	8.1	6					MC	6	49327	V	
4265	KS	CYG	20 11 34.543	+38 34 36.40	-0.0006	-0.002	6.8	4					NOE	4	69636	V	
4266	DR	VUL	20 11 41.183	+26 35 53.51	+0.0015	-0.006	8.5	6					B8	6	88390	V	
4267	30	CYG	20 11 43.632	+46 39 48.89	+0.0008	+0.001	4.83	2	4.92	2	5.08	2	A3III		49332	DV?	
4268	R	SGE	20 11 46.705	+16 34 26.20	-0.0000	+0.008	8.6	4					G5	4	105871	V	
4269	67 RHO	AGL	20 11 57.746	+15 02 38.36	+0.0040	+0.057	4.95	2	5.04	2	5.05	2	A2V		105878		
4270	31 OMI- 1	CYG	20 12 03.343	+46 35 19.87	+0.0000	+0.005	3.800	1	5.080	1	5.500	1	CK1P		49337	DV	
4271	21	VUL	20 12 11.169	+28 32 31.88	+0.0009	-0.019	5.12						A3		88391		
4272	33	CYG	20 12 14.137	+56 24 50.93	+0.0073	+0.085	4.30	2	4.41	2	4.49	2	A3IV-V		32378		
4273	V1372	CYG	20 12 18.456	+53 30 24.79	-0.0048	-0.048	7.12	4	7.09	7			A4P	7	32379	V	
4274	R	DEL	20 12 30.219	+08 56 08.76	-0.0010	-0.025	7.6	4					M5F	4	125610	V	
4275	Z	AGL	20 12 31.087	-06 18 16.84	-0.0041	-0.013	9.8	6					K	6	144210	V	
4276	29 -B- 3	CYG	20 12 39.579	+36 39 07.85	+0.0054	+0.071	4.99	2	5.11	2	5.10	2	A2P		69678		
4277	22	VUL	20 13 20.548	+23 21 17.26	-0.0001	-0.012	5.15	2	6.19	2	6.90	2	G2IR		88416		
4278	3	CAP	20 13 36.771	-12 29 29.66	-0.0006	-0.012	6.41		6.420				B9		163402	D	
4279	23	VUL	20 13 41.706	+27 39 35.21	-0.0028	+0.011	4.52	2	5.78	2	6.89	2	K3III		88428		
4280	32 OMI- 2	CYG	20 13 55.487	+47 33 35.68	-0.0003	+0.010	3.980	1	5.500	1	6.540	1	K0+A3		49385	DV	
4281	18	SGE	20 14 07.850	+21 26 38.76	-0.0000	-0.022	6.12	2	7.16	2	8.08	2	K1III		88433		
4282	24	VUL	20 14 38.627	+24 30 57.46	+0.0012	-0.015	5.32						G8III		88451		
4283	5 ALP- 1	CAP	20 14 52.647	-12 39 51.04	+0.0013	+0.002	4.26	2	5.34	2	6.15	2	G3IB		163422	D	
4284	SIG	OCT	20 15 03.002	-89 08 18.48	+0.1170	-0.001	5.47	2	5.73	2	5.86	2	F0		258857		
4285	4	CAP	20 15 05.269	-21 57 57.37	+0.0024	-0.025	5.87	2	6.87	2			G8IV		189114		
4286	6 ALP- 2	CAP	20 15 16.878	-12 42 04.49	+0.0042	+0.005	3.580	1	4.530	1	5.220	1	G9III		163427	D	
4287	34	P	20 15 56.500	+37 52 35.55	-0.0007	-0.002	4.82	2	5.24	2	4.66	2	B P		69773	V	
4288	AE	CAP	20 16 07.504	-16 00 53.18	+0.0018	-0.020	8.4	6					M4	6	163437	V	
4289	7 SIG	CAP	20 16 30.618	-19 16 33.69	+0.0004	-0.006	5.46						K3II		163445		
4290	36	CYG	20 16 36.103	+36 50 32.51	+0.0028	+0.027	5.50		5.560				A3V		69803		
4291	35	CYG	20 16 43.763	+34 49 31.59	+0.0002	-0.005	5.17	2	5.82	2	6.29	2	F5IB		69806	V?	
4292	V 382	CYG	20 16 53.882	+36 11 00.22	-0.0002	+0.012	8.6	6							69812	V	
4293	EG	CEP	20 17 17.004	+76 39 10.56	+0.0090	+0.033	9.2	6					A3	6	9710	V	
4294	V 470	CYG	20 17 35.495	+40 43 48.43	+0.0025	+0.022	8.2	6							49467	V	
4295	V 444	CYG	20 17 42.589	+38 34 24.38	-0.0007	+0.001	8.1	6					OR	6	69833	V	
4296	V 478	CYG	20 17 48.267	+38 10 38.88	-0.0018	-0.034	8.7	6					B	6	69836	V	
4297	8 NU	CAP	20 17 53.485	-12 55 04.49	+0.0011	-0.018	4.76	2	4.72	2	4.61	2	B9V		163468	D	
4298	BET- 1	CAP	20 17 58.071	-14 56 38.31	+0.0028	+0.001	6.16		6.140				B9		163471	D	
4299	U	CYG	20 18 03.211	+47 44 09.91	-0.0050	+0.030	6.1	4					R8	4	49477	V	
4300	MY	CYG	20 18 06.377	+33 47 03.94	+0.0019	+0.023	8.4	6					A	6	69850	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	C N
4301	9 BET- 2	CAP	20 18 12.200	-14 56 26.57	+0.0027	+0.003	3.080	1	3.870	1	4.140	1	F8V+A0		1634A1	"	
4302	71	DRA	20 18 46.740	+62 05 53.67	+0.0010	+0.029	5.62		5.570				B9		18807		
4303	KAP- 1	SGR	20 19 04.166	-42 12 31.95	+0.0032	-0.091	5.59	2	5.59	2	5.59	2	A0V		230177	D	
4304	XZ	AQL	20 19 32.486	-07 30 41.15	-0.0001	-0.017	9.4	6					A2	6	144345	V	
4305	V 405	CYG	20 19 48.835	+40 17 12.69	-0.0025	+0.011	8.1	6					MC	6	49517	V	
4306	AC	DRA	20 19 53.155	+68 43 13.55	+0.0030	+0.039	5.99						GM5		18817	V	
4307	25	VJL	20 19 54.342	+24 17 07.72	-0.0001	-0.004	5.43		5.410				B1IVF		98580		
4308	37 GAM	CYG	20 20 25.927	+40 05 44.57	+0.0001	+0.002	2.230	1	2.900	1	3.440	1	F8In		49528	UV?	
4309	KAP- 2	SGR	20 20 29.579	-42 35 06.24	+0.0000	+0.025	5.64	2	5.84	2	5.94	2	A3		230184	D	
4310	ALP	PAV	20 21 42.289	-56 53 50.02	+0.0019	-0.085	1.940	1	1.740	1	1.030	1	B3IV		246574	V?	
4311	39	CYG	20 21 51.684	+32 01 39.89	+0.0031	+0.002	4.44	2	5.77	2	7.27	2	K3III		69950		
4312	BE	VJL	20 23 27.694	+27 12 18.65	-0.0007	-0.013	9.2	6					A0	6	48663	V	
4313	10 PI	CAP	20 24 27.627	-18 22 37.45	+0.0009	-0.010	5.20		5.130				B8		163592	"	
4314	T	MIC	20 24 52.534	-28 25 39.22	+0.0009	+0.003	7.1	4					M6F	4	189308	V	
4315	UU	DRA	20 24 53.875	+75 05 22.04	+0.0033	+0.021	9.4	6					MC	6	9757	V	
4316	43	CYG	20 25 30.517	+49 13 00.41	+0.0069	+0.062	4.740	2	5.780	2	6.710	2	DF0		49643		
4317	V 78B	CYG	20 25 33.554	+31 41 27.10	-0.0002	-0.009	9.3	6							70051	V	
4318	46	CYG	20 25 42.992	+38 16 30.61	-0.0023	-0.068	5.38		5.410				A3V		70056		
4319	68	AQL	20 25 47.782	-03 31 27.17	+0.0013	-0.013	6.03		5.960				B9		144468	"	
4320	11 RHO	CAP	20 26 00.601	-17 58 49.23	-0.0011	-0.020	4.81	2	5.18	2	5.23	2	F2IV		163614	D	
4321	RS	DEL	20 26 51.231	+16 06 21.71	+0.0033	-0.007	8.1	6					MC	6	106153	V	
4322	12 OMI- 1	CAP	20 27 00.634	-18 45 12.18	+0.0013	-0.088	6.74	2	6.96	2	7.00	2	A3		163625	"	
4323	CT	DEL	20 27 01.824	+09 43 48.97	-0.0015	-0.015	7.5	6					MR	6	125861	V	
4324	12 OMI- 2	CAP	20 27 01.999	-18 45 00.30	+0.0017	-0.081	5.94	2	6.02	2	6.32	2	A2		163626	D	
4325	69	AQL	20 27 02.213	-03 03 11.13	+0.0046	-0.017	5.11						K2III		144495		
4326	41	CYG	20 27 21.052	+30 12 02.35	+0.0004	+0.002	4.020	1	4.420	1	4.720	1	F5II		70095		
4327	42	CYG	20 27 25.848	+36 17 12.73	+0.0001	+0.002	5.88		6.360				A1IB		70096		
4328	TZ	AQL	20 27 40.204	-04 55 22.71	-0.0004	-0.021	9.0	6					MC	6	144506	V	
4329	KN	AQL	20 27 43.062	+01 42 29.28	+0.0004	+0.006	8.9	6					MR	6	125873	V	
4330	1	DEL	20 27 54.268	+10 43 38.35	+0.0013	+0.006	5.92		5.930				AOPE		106172	D	
4331	45 OME- 1	CYG	20 28 30.540	+48 46 57.96	+0.0009	+0.011	4.95	2	4.86	2	4.23	2	B2V		49712	D	
4332	2 THE	CAP	20 28 44.678	+62 49 32.32	+0.0060	-0.011	4.22	2	4.42	2	4.58	2	A M		18897		
4333	44	CYG	20 29 05.158	+36 45 59.07	+0.0000	-0.002	6.18	2	7.19	2	7.93	2	F5IAB		70135	D	
4334	AD	CYG	20 29 36.431	+32 23 40.26	-0.0003	-0.006	9.1	6					NP	6	70151	V	
4335	AI	CYG	20 29 44.994	+32 21 07.80	+0.0013	-0.004	9.0	6					MA	6	70155	V	
4336	46 OME- 2	CYG	20 29 46.145	+49 03 02.97	+0.0008	-0.026	5.42						GM2		49741	V?	
4337	NU	MIC	20 30 29.353	-44 41 13.91	+0.0015	-0.035	5.30						GG9		230276		
4338	2 EPS	DEL	20 30 49.400	+11 07 55.83	+0.0007	-0.018	4.040	1	3.920	1	3.440	1	B6III		106230	V?	
4339	CZ	DEL	20 31 12.721	+09 20 42.38	+0.0010	+0.010	8.1	6					MA	6	125953	V	
4340	PHI- 1	PAV	20 31 27.383	-60 45 07.33	+0.0099	-0.180	4.76	2	5.04	2	5.09	2	F0V		254823		
4341	75	DRA	20 31 28.005	+81 15 11.50	+0.0115	+0.018	5.46						G9III		3408		
4342	3 ETA	DEL	20 31 35.073	+12 51 17.16	+0.0048	-0.029	5.22		5.270				A2V		106248	V?	
4343	47	CYG	20 31 57.393	+35 04 43.27	-0.0001	-0.004	4.63	2	6.24	2	6.99	2	K5+A3		70203		
4344	73 AF	DRA	20 32 11.343	+74 47 01.07	+0.0008	-0.012	5.19		5.260				A P		9802	V	
4345	74	DRA	20 32 26.025	+80 55 04.27	+0.0285	+0.223	5.95						K0III		3413		
4346	4 ZET	DEL	20 32 58.198	+14 30 02.23	+0.0031	+0.015	4.69	2	4.80	2	4.91	2	A3V		106274		
4347	RHO	PAV	20 33 24.831	-61 42 13.15	+0.0084	-0.065	5.03						G2F5		254835	V?	
4348	26	VJL	20 33 59.613	+25 42 29.34	+0.0013	+0.014	6.22		6.450				A4III		88884		
4349	ALP	IND	20 34 03.529	-47 28 02.93	+0.0055	+0.070	3.115	1	4.115	1	4.915	1	K0III		230300	D	
4350	70	AQL	20 34 07.407	-02 43 27.16	+0.0003	-0.001	5.22						K4III		144624		

TABLE 4 CONTINUED
 STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	HT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	C N
4351	13 CAP	20 34 33.073	-15 19 18.53		+0.0043	-0.038	6.93	4					K0	4	163740		
4352	27 VUL	20 34 56.567	+26 17 12.96		+0.0010	-0.005	5.42		5.340				B9V		88903		
4353	6 BET	20 35 12.206	+14 25 12.31	C	+0.0077	-0.031	3.630	1	4.070	1	4.150	1	F5IV		106316		
4354	GO CYG	20 35 23.139	+35 15 39.46		-0.0002	-0.007	8.3	6					A0	6	70279	V	
4355	5 IOT	20 35 25.555	+11 12 07.25		+0.0026	-0.004	4.42		4.460				A2V		106322		
4356	46 CYG	20 35 29.698	+31 23 48.89		+0.0006	+0.003	6.20		6.100				B8IV		70287		
4357	EU DEL	20 35 37.753	+18 05 30.28		+0.0013	+0.101	6.27						GM6		106329	V	
4358	71 AUL	20 35 45.349	-01 16 51.96		+0.0008	-0.019	4.33	2	5.29	2	5.98	2	G8III		144649	DV?	
4359	MU - 2 OCT	20 35 50.155	-75 31 34.68		+0.0397	-0.150	6.03	2	6.65	2	6.84	2	G1V		257876		
4360	PHI - 2 PAV	20 35 55.079	-60 43 05.08		+0.0421	-0.569	5.12	2	5.65	2			F8V		254846		
4361	MU - 1 OCT	20 35 56.354	-76 21 30.60		+0.0575	-0.011	6.00	2	6.44	2	6.55	2	F5IVN		257878		
4362	29 VUL	20 36 17.248	+21 01 28.67		+0.0050	+0.008	4.82	2	4.80	2	4.73	2	A0V		88944		
4363	20 VUL	20 36 21.123	+23 56 22.38		+0.0007	+0.001	5.01						B5V		88945		
4364	6 THE DEL	20 36 22.307	+13 08 18.22		-0.0002	-0.001	5.82						K3IB		106342		
4365	14 TAU CAP	20 36 28.701	-15 07 53.44		+0.0003	-0.021	5.30						B6III		163771		
4366	V 828 CYG	20 36 32.838	+54 19 20.37		-0.0011	-0.012	9.2	6					B8	6	32748	V	
4367	7 KAP DEL	20 36 42.005	+09 54 31.97		+0.0215	+0.021	5.02	2	5.76	2	5.95	2	G5IV		126059		
4368	1 AJR	20 36 51.135	+00 18 33.97		+0.0065	-0.013	5.22						K1III		126062	D	
4369	15 UPS CAP	20 37 12.309	-18 18 57.79		-0.0015	-0.018	5.10		6.740				M2III		163779		
4370	DM DEL	20 37 16.477	+14 15 05.74		-0.0002	-0.028	8.2	6							106356	V	
4371	9 ALP DEL	20 37 18.874	+15 44 04.30		+0.0045	-0.000	3.770	1	3.710	1	3.500	1	B9V		106357	DV?	
4372	UPS PAV	20 37 23.405	-66 56 20.65		+0.0030	-0.024	5.15	2	5.09	2	4.81	2	B8V		254854	V?	
4373	VW CEP	20 38 03.009	+75 24 58.37		+0.0899	+0.560	7.1	4					G5	4	9828	V	
4374	AT MIC	20 38 43.685	-32 36 35.18		+0.0216	-0.331	10.0	6	11.44	7			PEC	6	212355	V	
4375	S CAP	20 38 52.877	-19 14 13.43		-0.0013	-0.015	8.5	6					G5	6	163801	V	
4376	10 DEL	20 38 55.689	+14 24 14.16		-0.0005	+0.005	6.01						GK4	6	106384	V?	
4377	49 CYG	20 39 00.995	+32 07 42.32		+0.0004	-0.011	5.60						G8II		70362	D	
4378	V CYG	20 39 41.318	+47 57 45.41		-0.0017	+0.026	6.8	4					13	4	49940	V	
4379	50 ALP CYG	20 39 43.539	+45 06 03.11		+0.0001	+0.005	1.250	1	1.340	1	1.110	1	A2IA		49941	DV?	
4380	ETA IND	20 40 22.692	-52 06 04.59		+0.0175	-0.055	4.51	2	4.78	2	4.87	2	DA9		246709		
4381	V 568 CYG	20 40 24.615	+35 16 33.76		-0.0018	-0.007	6.50						B2VE		70406	V	
4382	BET PAV	20 40 28.662	-66 23 05.42		-0.0061	+0.017	3.415	1	3.580	1	3.695	1	A5IV		254862		
4383	51 CYG	20 40 40.056	+50 09 35.14		-0.0001	+0.007	5.38						B2V		32809	D	
4384	S DEL	20 40 46.591	+16 54 27.48		+0.0015	+0.032	8.4	4					M5		106422	DV	
4385	11 DEL DEL	20 41 07.413	+14 53 38.69		-0.0014	-0.041	4.44	2	4.76	2	4.86	2	A M?		106425	V	
4386	MW PAV	20 41 17.978	-72 07 55.36		+0.0095	-0.023	9.41	7	9.75	7	9.78	7	A5	6	257849	V	
4387	X CYG	20 41 26.598	+35 24 23.93		-0.0010	-0.001	6.5		7.340	7			F7IB		70423	V	
4388	AU MIC	20 42 03.756	-31 31 05.28		+0.0212	-0.348	8.4	6	9.84	7	10.79	7	MOVE	7	212402	DV	
4389	4 CEP	20 42 33.850	+66 28 31.53		+0.0037	+0.039	5.53						A5		19004		
4390	50 VUL	20 42 42.565	+25 05 26.59		-0.0023	-0.175	4.91	2	6.10	2	7.28	2	K2III		89084		
4391	KP DEL	20 42 52.997	+18 06 37.87		-0.0008	+0.018	8.4	6					MA	6	106453	V	
4392	T DEL	20 43 02.041	+16 12 58.22		-0.0008	+0.020	8.3	4					M4E	4	106456	V	
4393	10 PSI CAP	20 43 08.301	-25 27 07.14		-0.0036	-0.156	4.130	1	4.560	1	4.600	1	F5V		189664		
4394	U DEL	20 43 10.766	+17 54 26.44		+0.0001	+0.007	5.6						M5II-III		106458	V	
4395	17 CAP	20 43 16.212	-21 41 49.29		+0.0015	-0.009	5.89						A0		189667		
4396	52 CYG	20 43 35.774	+30 32 10.47		-0.0009	+0.031	4.23	2	5.29	2	6.17	2	K0III		70467	D	
4397	53 EPS CYG	20 44 11.168	+33 46 55.14		+0.0285	+0.329	2.460	1	3.490	1	4.360	1	K0III		70474		
4398	3 ETA CEP	20 44 16.488	+61 38 38.85		+0.0128	+0.822	3.430	1	4.350	1	4.960	1	K0IV		19019	D	
4399	V AQR	20 44 17.727	+02 15 11.94		+0.0009	+0.001	7.8	4					M6E	4	126200	V	
4400	12 GAM- 1 DEL	20 44 19.473	+15 56 34.71		-0.0022	-0.188	5.182	1	5.684	1	6.542	1	F7V		106475	D	61

 ORIGINAL PAGE IS
 OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SAN C.T. NO.	STAR PROP.	G N
4401	12 GAM- 2	DEL	20 44 20.236	+15 56 34.82	-0.0024	-0.195	4.312	1	5.364	1	5.672	1	K1IV		1n6476	n	62
4402	SIG	PAV	20 44 35.935	-68 57 40.51	-0.0122	-0.052	5.41	2	6.53	2	7.62	2	GK0		254871		
4403	EPS	AQR	20 44 58.218	-09 40 48.21	+0.0022	-0.032	3.770	1	3.770	1	3.790	1	A1V		144810		
4404	3 -K	AQR	20 45 05.974	-05 12 43.27	-0.0001	-0.037	4.44	2	6.11	2	8.04	2	M3III		144814	V	
4405	IOT	MIC	20 45 06.202	-44 10 20.19	+0.0173	-0.104	5.10	2	5.45	2			F1V		230379	D	
4406	CY	CYG	20 45 08.223	+45 52 03.19	-0.0009	+0.005	7.9	6					PEC	6	50053	V	
4407	T	CYG	20 45 10.911	+34 11 21.85	+0.0036	+0.006	5.20						K3III		70499	DV	
4408	13	DEL	20 45 19.692	+05 49 24.48	+0.0005	-0.002	5.58	2	5.56	2	5.47	2	A1		126222	DV?	
4409	54 LAM	CYG	20 45 27.531	+36 18 21.94	+0.0005	-0.003	4.54	2	4.43	2	3.93	2	B5V		70505	D	
4410	VY	MIC	20 45 59.901	-33 55 03.36	-0.0007	+0.034	9.5	6					A3	6	212461	V	
4411	ZET	IND	20 46 02.971	-46 24 48.08	+0.0047	+0.027	4.885	1	6.400	1	8.255	1	GK5		230391		
4412	V 367	CYG	20 46 06.404	+39 06 08.35	-0.0012	-0.006	7.0	6							70517	DV	
4413	7b	DRA	20 46 19.839	+82 20 52.28	+0.0139	+0.026	5.67						A0		3458	V?	
4414	FI	VUL	20 46 38.309	+22 48 29.04	+0.0007	-0.013	8.1	6					M3	6	89156	V	
4415	ALP	MIC	20 46 50.972	-33 57 58.21	+0.0008	-0.022	4.89	2	5.89	2	6.62	2	GG7		212472	D	
4416	55	CYG	20 47 13.981	+45 55 40.43	+0.0001	+0.003	4.86	2	5.28	2	4.83	2	B3IA		50099	DV?	
4417	15	DEL	20 47 14.751	+12 21 25.64	+0.0038	+0.101	5.89						DF4		106536	V?	
4418	T	AQR	20 47 18.050	-05 20 01.14	-0.0011	-0.011	6.8	4					M3E	4	144854	V	
4419	14	DEL	20 47 21.127	+07 40 37.89	+0.0015	+0.016	6.33	2	6.35	2	6.33	2	A2		126265		
4420	TX	DEL	20 47 41.976	+03 27 54.83	-0.0020	-0.002	8.9	6					FR	6	126272	V	
4421	IOT	IND	20 47 53.819	-51 47 45.74	+0.0010	-0.010	5.16						GK1		246762		
4422	56	CYG	20 48 18.237	+43 52 12.60	+0.0113	+0.137	5.08						A4M?		50121		
4423	V1056	CYG	20 48 33.943	+36 52 55.19	+0.0001	-0.014	8.7	6					MR	6	70566	V	
4424	4	AQR	20 48 46.697	-05 48 52.80	+0.0064	+0.001	5.99	2	6.45	2	6.48	2	DF3		144877	DV?	
4425	18 OME	CAP	20 48 50.460	-27 06 27.20	-0.0004	+0.000	4.120	1	5.750	1	7.660	1	K5III		189781		
4426	BET	MIC	20 48 52.686	-33 21 57.72	+0.0012	-0.017	6.03						A2		212499		
4427	T	VUL	20 49 20.753	+28 03 43.75	+0.0001	+0.000	5.4		5.87	7			F5IB		89216	V	
4428	5	AQR	20 49 30.076	-05 41 44.64	-0.0001	+0.003	5.55	2	5.47	2	5.20	2	B8		144889	V?	
4429	6 MU	AQR	20 49 57.475	-09 10 19.76	+0.0028	-0.028	4.73	2	5.05	2	5.15	2	A M		144895		
4430	31	VUL	20 49 59.145	+26 54 31.77	-0.0051	-0.061	4.61	2	5.43	2	5.89	2	G8III		89228		
4431	Y	CYG	20 50 03.619	+34 28 08.28	+0.0017	-0.004	6.9	4					B2	4	70599	V	
4432	V1395	CYG	20 50 36.049	+46 34 37.73	-0.0021	-0.003	9.0	6	10.65	7			MA	6	50158	V	
4433	BET	IND	20 50 55.080	-58 38 40.20	+0.0031	-0.022	3.650	1	4.900	1	6.120	1	K0III		246784		
4434	SU	IND	20 51 17.423	-45 55 16.65	-0.0014	+0.006	9.6	6					G5	6	230428	V	
4435	57	CYG	20 51 28.529	+44 11 49.76	+0.0006	+0.004	4.77	2	4.63	2	4.05	2	B5V		50180	V?	
4436	19	CAP	20 51 58.444	-18 06 49.76	-0.0037	-0.018	5.91						GK0		163975		
4437	BW	VUL	20 52 14.918	+28 19 51.73	+0.0004	-0.007	6.44						B2II		89265	V	
4438	32	VUL	20 52 25.638	+27 51 59.34	-0.0002	-0.002	5.10						K4III		89272	V?	
4439	EM	AQR	20 52 33.114	-01 33 53.97	-0.0003	+0.023	6.55	2	6.84	2	6.89	2	F0	6	144941	V	
4440	17	DEL	20 53 14.567	+13 31 46.86	+0.0009	-0.009	5.24						K0III		106665		
4441	16	DEL	20 53 15.368	+12 22 34.43	+0.0026	-0.021	5.54		5.650				A4V		106666	D	
4442	KZ	PAV	20 53 50.503	-70 36 57.93	+0.0022	+0.020	7.6	6					F2	6	257869	V	
4443	7	AQR	20 54 11.949	-09 53 25.41	-0.0004	-0.008	5.68						GK5		144968	DV?	
4444	S	EQU	20 54 43.196	+04 53 13.37	+0.0004	-0.003	8.1	6					A0	6	126399	V	
4445	58 NU	CYG	20 55 18.418	+40 58 25.85	+0.0007	-0.012	3.940	1	3.960	1	3.960	1	A0V		50274		
4446	VX	CYG	20 55 27.424	+39 59 02.21	-0.0004	+0.021	9.0	6	10.430	7					70716	V	
4447	DV	AQR	20 55 55.847	-14 40 38.00	-0.0031	-0.000	6.01	2	6.24	2			A3		164027	V	
4448	18	DEL	20 56 01.378	+10 38 42.99	-0.0036	-0.032	5.84						GG6		106712		
4449	33	VUL	20 56 02.128	+22 07 53.72	-0.0003	+0.001	5.33						GK4		89332		
4450	AZ	CYG	20 56 15.901	+46 16 20.95	+0.0015	-0.002	8.0	6							50296	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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4451	DQ	CeP	20 56 23.992	+55 17 34.90		+0.0023	+0.021	7.31	4				F0	4	33026	V	
4452	1 EPS	Equ	20 56 34.503	+04 06 02.50		-0.0075	-0.144	5.23	2				F5IV	4	126428	V	
4453	AB	CAP	20 56 43.189	-14 59 41.87		-0.0001	-0.003	8.8	6				M4	6	164042	V	
4454	20	CAP	20 56 45.807	-19 13 48.99		+0.0007	-0.011	6.23					A0SI		164043		
4455	8	AQR	20 57 10.041	-13 14 49.89		-0.0023	+0.002	6.59	4				A3	4	164046		
4456	ZZ	MIC	20 57 17.815	-42 51 06.94		+0.0052	-0.064	9.7	6				A2	6	230477	V	
4457	10	AQR	20 57 54.167	-05 40 24.20		+0.0011	-0.009	6.58	4				A0	4	145021		
4458	11	AQR	20 57 55.883	-04 55 28.38		+0.0030	-0.134	6.26					G1V		145022		
4459	21	CAP	20 58 03.042	-17 43 37.22		-0.0019	-0.011	6.54	4				K0	4	164061		
4460	59 -F- 1	CYG	20 58 07.395	+47 19 30.07		+0.0003	+0.005	4.75	2		3.77	2	B1IV?E		50335	DV	
4461	GAM	MIC	20 58 13.731	-32 27 16.32		-0.0000	+0.008	4.67	2	5.56	2	6.10	G4III		212636	D	
4462	9	AQR	20 58 23.090	-13 43 36.16		+0.0001	+0.008	6.63	4				G5	4	164064		
4463	ALP	OCT	20 58 44.041	-77 13 01.18		+0.0027	-0.364	5.15	2	5.64	2	5.77	F4III		257879		
4464	60	CYG	20 59 26.064	+45 57 31.35		+0.0003	+0.011	5.40		5.200			B1VE		50359	D	
4465	2 LAM	Equ	20 59 44.492	+06 58 55.48		-0.0006	-0.008	6.64	4				F8	4	126482	D	
4466	ZEI	MIC	20 59 46.618	-38 49 41.15		-0.0024	-0.110	5.35					DF2		212666		
4467	V1058	CYG	21 00 13.195	+34 34 41.25		+0.0009	-0.012	8.6	6				M5	6	70812	V	
4468	ER	VUL	21 00 16.429	+27 36 33.35		+0.0062	+0.007	7.5	6				G0	6	89396	V	
4469	DY	VUL	21 01 16.739	+23 47 50.96		-0.0002	-0.013	7.5	6				M8	6	89414	V	
4470	12	B AQR	21 01 25.954	-06 01 22.00		-0.0000	+0.015	7.31					A3		145064	D	
4471	12	AQR	21 01 26.061	-06 01 19.78		+0.0010	-0.006	5.89					GG4		145065	D	
4472	22 ETA	CAP	21 01 33.704	-20 03 14.10		-0.0025	-0.035	4.84	2	5.02	2	5.07	A3M?		189986	D	
4473	MU	IND	21 01 34.302	-54 55 34.61		+0.0013	-0.033	5.20					GK2		246854		
4474	3	Equ	21 02 05.229	+05 18 11.04		+0.0010	+0.002	5.60	2	7.25	2	9.26	GK5		126518		
4475	R	VUL	21 02 09.306	+23 37 19.43		+0.0017	+0.007	7.1	4				M4E	4	89429	V	
4476	V1059	CYG	21 02 43.733	+42 14 31.86		+0.0045	+0.004	8.4	6				MA	6	50419	V	
4477	4	Equ	21 02 58.007	+05 45 34.46		-0.0062	-0.125	5.94	2	6.48	2	6.54	F8		126535		
4478	DEL	MIC	21 03 00.214	-30 19 29.77		+0.0026	-0.069	5.71					GK0		212709		
4479	62 XI	CYG	21 03 06.589	+43 43 39.32		+0.0005	+0.004	3.700	1	5.350	1	7.150	K5IB		50424	V?	
4480	23 THE	CAP	21 03 08.318	-17 25 57.78		+0.0058	-0.056	4.07	2	4.06	2	4.07	A0V		164132		
4481	ETA	MIC	21 03 10.705	-41 35 12.42		+0.0024	-0.013	5.56					GK2		230523		
4482	2	PSA	21 03 21.537	-32 32 34.02		+0.0000	+0.013	5.26					GK3		212716		121
4483	24 A	CAP	21 04 12.403	-25 12 24.97		-0.0017	-0.041	4.490	1	6.090	1	7.990	M1III		190025	D	
4484	UT	CYG	21 04 24.223	+30 58 59.78		-0.0002	+0.000	5.7					F5.5I-II		70917	V	
4485	RS	CAP	21 04 27.988	-16 37 26.45		+0.0005	-0.025	8.5	6				M6	6	164150	V	
4486	61	CYG	21 04 39.931	+38 29 59.11	C	+0.3523	+3.185	4.775		6.022		5.945	K5V+K7V		70919	D	56
4487	63 -F- 2	CYG	21 04 52.620	+47 26 48.21		+0.0005	+0.003	4.56	2	6.12	2	7.85	K4II		50456	DV?	
4488	25 CHI	CAP	21 05 41.937	-21 23 44.70		+0.0013	-0.056	5.27					A0V		190050	D	
4489	V1061	CYG	21 05 45.237	+51 50 47.79		+0.0021	+0.037	9.0	6				F8	6	33149	V	
4490	AK	IND	21 05 49.623	-46 58 16.04		+0.0018	+0.009	8.0	6				M8	6	230547	V	
4491	26	CAP	21 06 24.615	-20 23 47.76		+0.0019	-0.001	6.88	4				K0	4	190065		
4492	V 389	CYG	21 06 31.476	+30 00 09.79		+0.0018	-0.014	5.6					A0		70968	DV	
4493	77	DRA	21 06 31.971	+77 55 26.77		+0.0062	+0.034	5.90		5.830			B9		9959		64
4494	27	CAP	21 06 41.624	-20 45 30.12		+0.0085	-0.122	6.15					DF1		190069	V?	
4495	13 NU	AQR	21 06 52.308	-11 34 31.13		+0.0062	-0.014	4.52	2	5.46	2	6.13	G8III		164182		
4496	Z	CAP	21 07 50.536	-16 22 41.81		+0.0002	-0.039	8.6	7				M4E	6	164193	V	
4497	5 GAM	Equ	21 07 54.579	+09 55 44.82		+0.0040	-0.152	4.68	2	4.94	2	5.03	F P		126593	DV	
4498	6	Equ	21 08 05.428	+09 50 38.44		-0.0007	+0.019	6.07	2	6.09	2	6.13	A1		126597	D	
4499	V	IND	21 08 11.011	-45 16 42.50		-0.0062	-0.065	9.12	7				A5	6	230567	V	
4500	OMI	PAV	21 08 41.303	-70 19 55.94		+0.0090	-0.027	5.02	2	6.60	2	8.15	M2III		257896		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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4501	T	CEP	21 08 52.870	+68 17 11.85	-0.0063	-0.062	5.2						GM7F		19229	V	
4502	V1425	CYG	21 09 32.901	+55 07 36.55	-0.0008	+0.005	7.6	5					BR	6	33196	V	
4503	RX	AQR	21 10 00.961	-14 35 54.87	+0.0028	-0.007	8.8	6					M5	6	164218	V	
4504	3	PSA	21 10 19.673	-27 49 28.35	+0.0074	-0.116	5.42	2	6.84	2			K5III		190129		122
4505	04 ZET	CYG	21 10 48.357	+30 01 15.51	-0.0001	-0.052	3.200	1	4.190	1	4.950	1	G8II		71070		
4506	BL	AQR	21 11 37.066	-02 11 10.15	-0.0006	+0.008	9.7	6					K2	6	145222	V	
4507	7 DEL	EQU	21 12 02.672	+09 48 11.96	+0.0031	-0.301	4.49	2	4.99	2	4.98	2	F7V		126643	V	
4508	RV	EQU	21 12 26.695	+08 47 08.08	+0.0001	-0.013	8.6	6					K0	6	126649	V	
4509	28 PHI	CAP	21 12 47.293	-20 51 37.35	+0.0009	+0.004	5.35						GG9		100173		
4510	65 TAU	CYG	21 12 47.559	+37 49 52.27	+0.0134	+0.437	3.730	1	4.130	1	4.160	1	F0IV		71121	DV	
4511	29	CAP	21 12 58.911	-15 22 49.49	+0.0017	+0.007	5.28		6.900				GM3		164263	V?	
4512	6 ALP	EQU	21 13 19.440	+05 02 24.35	+0.0038	-0.084	3.900	1	4.420	1	4.720	1	F8+A3		126662		
4513	14	AQR	21 13 36.770	-09 25 26.51	-0.0007	+0.006	6.82	4					MA		145251		
4514	EPS	MIC	21 14 54.649	-32 22 57.73	+0.0045	-0.024	4.71	2	4.77	2	4.79	2	A2P		212874		
4515	30	CAP	21 15 09.166	-18 11 44.64	+0.0011	+0.000	5.39	2	5.270	2	3.97	2	B9IAB		164286	V?	
4516	67 SIG	CYG	21 15 26.951	+39 11 03.50	-0.0002	-0.000	4.23	2	4.36	2			B8		71165		
4517	31	CAP	21 15 27.944	-17 40 22.92	+0.0024	+0.006	6.31						A5		164289		
4518	15	AQR	21 15 33.726	-04 43 49.63	+0.0008	+0.020	5.82	2	5.69	2	5.18	2	B7		145278	V	
4519	RU	EQU	21 15 49.544	+07 32 58.11	-0.0002	-0.004	8.6	6					MB	6	126695	DV?	
4520	06 UPS	CYG	21 15 51.555	+34 41 09.86	+0.0009	-0.000	4.42	2	4.32	2	3.50	2	B2VE		71173		
4521	THE- 1	IND	21 16 18.228	-53 39 35.85	+0.0109	-0.067	7.2	4							246964		
4522	THE- 2	IND	21 16 18.874	-53 39 37.51	+0.0121	-0.068	4.39	2	4.58	2	4.70	2	A4V		246965		
4523	68 A	CYG	21 16 35.131	+43 44 05.23	-0.0001	-0.006	4.99		4.990				O8		0690		
4524	T	IND	21 16 52.207	-45 14 03.64	+0.0000	-0.006	7.2	6					NA		230635	V	
4525	CE	CYG	21 17 08.779	+46 47 44.58	+0.0038	+0.004	7.7						K2	6	50703	V	
4526	V1334	CYG	21 17 22.416	+38 01 31.85	+0.0007	-0.003	5.75		6.22	7			F2	7	71203	DV	
4527	5 ALP	CEP	21 17 23.181	+62 22 23.74	+0.0215	+0.052	2.450	1	2.670	1	2.780	1	A7IV-V		19302	D	
4528	RY	AQR	21 17 33.708	-11 00 54.45	+0.0036	+0.041	8.8	6					A3	6	164320	V	
4529	THE- 1	MIC	21 17 34.153	-41 01 19.95	+0.0060	-0.003	4.82	2	4.84	2	4.77	2	A P		230644	V	
4530	FZ	CEP	21 18 11.289	+55 14 14.89	+0.0008	-0.009	7.2	6					MB	6	33329	V	
4531	6	CEP	21 18 20.062	+64 39 33.93	+0.0006	+0.007	5.14		5.120				B3VE		19313		
4532	16	AQR	21 18 27.058	-04 46 24.00	-0.0010	+0.014	5.87	2	6.79	2	7.43	2	GG7		145317		
4533	9	EQU	21 18 36.352	+07 08 29.53	+0.0026	-0.015	5.82	2	7.48	2	9.45	2	GM2		126719		
4534	34	VUL	21 18 48.631	+23 38 39.63	+0.0174	-0.123	5.57	2	6.62	2	7.53	2	K0III-IV		89640		165
4535	T	CAP	21 19 15.409	-15 22 21.67	+0.0001	-0.012	8.1	4					M2E		164343	V	
4536	V 836	CYG	21 19 20.491	+35 31 22.51	+0.0019	+0.001	8.7	6	8.720	7			A0	6	71239	V	
4537	32 IOT	CAP	21 19 27.888	-17 02 55.00	+0.0022	+0.006	4.27	2	5.18	2	5.74	2	G8III		164346		
4538	1	PEG	21 19 46.347	+19 35 22.77	+0.0074	+0.066	4.09	2	5.20	2	6.25	2	K1III		107073	D	
4539	Y	PAV	21 19 47.087	-69 56 56.26	+0.0027	-0.017	5.7						NO		254990	V	
4540	17	AQR	21 20 15.492	-09 32 00.61	-0.0020	-0.025	5.99	2	7.53	2	9.41	2	GM0		145351		
4541	10 BET	EQU	21 20 24.669	+06 35 47.14	+0.0036	+0.014	5.17	2	5.22	2	5.29	2	A2		126749	D	
4542	V1070	CYG	21 20 51.727	+40 43 06.11	-0.0005	-0.008	7.3	6					MB	6	50770	V	
4543	THE- 2	MIC	21 21 13.966	-41 13 19.78	+0.0027	+0.003	5.76	2	5.72	2			A0S1		230667	D	
4544	33	CAP	21 21 19.652	-21 03 56.27	+0.0002	-0.129	5.77		7.250				GK2		190295	V?	
4545	18	AQR	21 21 27.648	-13 05 37.46	+0.0060	+0.009	5.49	2	5.78	2			A9III		164364	V?	
4546	AU	PEG	21 21 40.385	+18 03 49.37	+0.0005	+0.016	9.2	6							107100	V	
4547	20	AQR	21 21 40.385	-03 36 49.45	-0.0006	-0.049	6.36	2	6.69	2	6.82	2	GA9		145376		
4548	GAM	PAV	21 22 20.184	-65 35 38.76	+0.0154	+0.797	4.220	1	4.700	1	4.570	1	F8V		254999	V?	
4549	19	AQR	21 22 31.909	-09 57 45.06	+0.0014	-0.169	5.70	2	5.90	2			A4		145382		
4550	21	AQR	21 22 40.514	-03 46 20.04	-0.0011	-0.070	5.69						GK4		145384		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4551	GAM	IND	21 22 42.265	-54 52 39.96		+0.0014	+0.043	6.10		6.440			F0III		247031	V?	
4552	69	CYG	21 23 44.257	+36 27 02.44		+0.0003	-0.002	5.95		5.890			B0IR		71329	D	
4553	34 ZET	CAP	21 23 48.938	-22 37 44.34		+0.0001	+0.027	3.740	1	4.740	1	5.340	G5P		190341	O	
4554	SX	PAV	21 24 18.753	-69 43 23.38		+0.0166	-0.050	5.3					GM7		255003	V	
4555	35	CAP	21 24 24.890	-21 24 48.74		-0.0019	-0.027	5.78	2	7.22	2	8.96	K5III		190349		
4556	Sw	CEP	21 24 32.326	+62 21 24.91		-0.0020	+0.010	8.0	6				MC	6	19401	V	
4557	70	CYG	21 25 18.864	+36 53 55.35		+0.0001	+0.006	5.21					B3V		71358		
4558	35	VUL	21 25 27.709	+27 23 24.01		+0.0032	+0.023	5.36		5.400			A1V		89720		
4559	36 -B	CAP	21 25 52.531	-22 01 33.65		+0.0099	-0.004	4.51	2	5.42	2	6.02	G65		190374		
4560	5	PSA	21 26 04.793	-31 27 26.99		+0.0018	-0.008	6.60					A0		213034		
4561	7	CEP	21 26 48.310	+66 35 26.39		-0.0028	-0.015	5.40					B7		19432		
4562	71 -G	CYG	21 27 36.074	+46 19 09.90		+0.0041	+0.107	5.20					K0III		50934		
4563	2	PEG	21 27 40.860	+23 25 07.70		+0.0017	+0.007	4.57	2	6.19	2	8.12	M1III		89752	D	
4564	6 BET	CEP	21 28 01.326	+70 20 27.85		+0.0020	+0.013	3.230	1	3.010	1	2.050	B2III		10057	DV	
4565	EI	CEP	21 28 42.578	+76 11 02.27		-0.0012	-0.008	7.7	6				F0	6	10061	V	
4566	22 BET	AQR	21 28 55.650	-05 47 31.68		+0.0013	-0.005	2.870	1	3.710	1	4.280	G0IB		145457	D	
4567	XI	GRU	21 28 56.364	-41 24 03.15		+0.0015	+0.008	5.29	2	6.39	2		GK0		230726		
4568	6	PSA	21 29 13.447	-34 09 57.86		+0.0003	-0.002	5.99					A2IV		213078	DV?	
4569	GK	CEP	21 30 21.005	+70 36 07.01		+0.0015	+0.004	6.9	6				A0	6	10069	V	
4570	37	CAP	21 32 02.703	-20 18 29.78		-0.0027	+0.034	5.79					DF1		190461		
4571	73 RHO	CYG	21 32 05.828	+45 22 12.30		-0.0025	-0.091	4.020	1	4.910	1	5.470	G8III		51035		
4572	38	CAP	21 32 06.423	-20 28 31.14		+0.0002	-0.060	7.02	4				F8	4	190463		
4573	RS	IND	21 32 23.080	-70 33 28.78		-0.0109	-0.050	9.2	6						257941	V	
4574	72	CYG	21 32 43.840	+38 18 32.85		+0.0102	+0.101	4.91	2	5.99	2	6.99	K1III		71480		
4575	8	PSA	21 33 17.244	-26 23 43.94		+0.0083	-0.020	5.73	2	5.95	2		A3M		190478	D	
4576	UU	CAP	21 33 26.848	-14 05 33.80		+0.0045	+0.005	8.9	6				M4	6	164507	V	
4577	7	PSA	21 33 48.984	-33 16 21.67		+0.0071	+0.000	6.11	2	6.33	2		A5		213176		
4578	V1427	CYG	21 34 01.450	+47 41 14.89		-0.0011	+0.005	8.9	6	9.52	7	9.18	B3EQ	7	51076	V	
4579	W	CYG	21 34 08.202	+45 09 00.36		+0.0045	+0.010	5.38	2	6.97	2	8.21	GM4E	2	51079	V	
4580	39 EPS	CAP	21 34 17.002	-19 41 27.69		+0.0007	+0.006	4.72	2	4.56	2	3.98	B3V2P	2	164520	DV	
4581	AB	CYG	21 34 24.512	+31 52 38.99		+0.0024	+0.019	7.8	6				M4IIIE	7	71513	V	
4582	74	CYG	21 34 56.508	+40 11 17.55		-0.0005	+0.017	5.00					A4		51101		
4583	23 X1	AQR	21 35 05.459	-08 04 45.93		+0.0076	-0.023	4.69	2	4.88	2	5.01	A7V	2	145537		
4584	3	PEG	21 35 14.137	+06 23 33.95		+0.0039	-0.003	6.17	2	6.20	2	6.22	A0		126940	D	
4585	5	PEG	21 35 24.935	+19 05 33.85		+0.0072	+0.015	5.36					F0IV		107288		
4586	CP	CYG	21 35 32.681	+44 28 16.95		-0.0004	-0.024	6.05					A3		51109	V	
4587	SV	PSA	21 35 41.983	-33 34 48.53		+0.0013	+0.003	9.4	6				G5	6	213159	V	
4588	S	CEP	21 35 52.650	+78 23 58.72		+0.0011	+0.007	7.0	4				N8E	4	10100	V	
4589	NU	OCT	21 35 59.865	-77 36 50.23		+0.0176	-0.239	3.755	1	4.750	1	5.645	K0III	1	257948	D	
4590	4	PEG	21 36 01.639	+05 32 42.32		+0.0075	+0.028	5.67	2	5.92	2	6.00	DA6	2	126956	D	
4591	9	CEP	21 36 34.670	+61 51 21.32		-0.0005	+0.001	4.73	2	5.03	2	4.49	B2IB	2	19541		
4592	24	AQR	21 36 56.857	-00 16 41.20		+0.0154	+0.019	6.80	4				F8	4	145566	D	
4593	25 -D	AQR	21 37 01.044	+02 01 04.24		-0.0019	-0.081	5.16					K0III		126965		
4594	AD	CAP	21 37 03.793	-16 13 58.52		+0.0032	-0.024	9.2	6				K0	6	164558	V	
4595	40 GAM	CAP	21 37 19.372	-16 53 21.05		+0.0131	-0.022	3.670	1	3.990	1	4.200	A M	1	164560		
4596	UU	CYG	21 37 30.538	+43 03 04.65		-0.0036	+0.018	8.9	7				A2	7	51154	DV	
4597	EE	PEG	21 37 34.216	+08 57 25.86		+0.0048	+0.012	6.78	4				A0	4	126971	V	
4598	V 539	CYG	21 37 37.726	+44 57 22.15		+0.0017	-0.021	8.7	6				MB	6	51156	V	
4599	DL	CYG	21 37 56.298	+48 18 46.10		+0.0012	+0.005	9.2	6						51160	V	
4600	75	CYG	21 38 13.144	+43 02 46.22		+0.0049	+0.022	6.20					GM0		51167	DV?	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAP PROP.	G N
4601	42	CAP	21 38 49.849	-14 16 17.42	-0.0084	-0.304	5.28						G2IV		164580		
4602	RU	CYB	21 38 58.506	+54 05 49.33	-0.0037	-0.002	6.9	4					M6E	4	33654	DV	
4603	41	CAP	21 39 10.107	-23 29 23.82	+0.0074	-0.086	5.32						GG9		190559	n	
4604	76	CYB	21 39 33.406	+40 34 39.11	-0.0013	-0.042	6.11	2	6.18	2	6.26	2	A2		51189		
4605	26	AQR	21 39 37.132	+01 03 24.10	-0.0001	-0.003	5.67	2	7.11	2	8.78	2	GK4		126997		
4606	7	PEG	21 39 45.354	+05 27 05.29	+0.0009	-0.003	5.29	2	6.93	2	8.87	2	GM2		127002		
4607	RS	GRU	21 39 48.169	-48 25 06.49	-0.0055	-0.024	8.0	6	8.160	7			A5	6	230806	V	
4608	43 KAP	CAP	21 39 52.121	-19 05 42.64	+0.0103	-0.004	4.73	2	5.61	2	6.12	2	GRIII		164593		
4609	V 460	CYB	21 39 54.349	+35 16 53.25	+0.0004	+0.003	6.05	2	8.57	2	13.87	2	C6-3		71613	V	
4610	V1339	CYB	21 40 13.515	+45 32 13.93	+0.0003	-0.009	6.47						M4		51204	V	
4611	80 PI - 1	CYB	21 40 18.952	+50 57 39.10	+0.0001	+0.004	4.67	2	4.55	2	3.86	2	B3IV		33665		
4612	44	CAP	21 40 20.831	-14 37 45.10	-0.0003	+0.027	9.9						ASM		164600		
4613	77	CYB	21 40 21.989	+40 50 53.19	+0.0016	+0.007	5.48						A0		51207	D	
4614	EK	CEP	21 40 29.824	+69 27 50.02	+0.0015	-0.015	7.4	6					A0	6	19585	V	
4615	11	CEP	21 41 11.735	+71 04 51.73	+0.0238	+0.105	4.57	2	5.67	2	6.76	2	K0III		10126		
4616	RV	CYB	21 41 12.006	+37 47 16.91	-0.0001	-0.004	7.1	4					N5	4	71642	V	
4617	45	CAP	21 41 17.251	-14 58 46.14	-0.0018	+0.010	5.90						ASM		164612		
4618	79	CYB	21 41 21.397	+38 03 14.72	+0.0028	+0.007	5.62		5.620				B9.5V		71643	D	
4619	8 EPS	PEG	21 41 43.756	+09 38 41.69	+0.0020	+0.005	2.390	1	3.910	1	5.610	1	K2IR		127029	DV?	
4620	78 MU - 2	CYB	21 41 54.183	+28 30 57.84	+0.0174	-0.215	6.136	2	6.626	2	6.636	2	DF3		89939	D	60
4621	76 MU - 1	CYB	21 41 54.246	+28 30 58.01	+0.0220	-0.238	4.785	2	5.225	2	5.235	2	F6V		89940	D	59
4622	9 IOT	PSA	21 41 58.427	-33 15 17.86	+0.0028	-0.090	4.340	1	4.290	1	4.180	1	A0SI		213258	D	
4623	MU	CEP	21 41 58.501	+58 33 00.64	-0.0000	+0.001	4.17	2	6.43	2	8.88	2	M2IA		33603	DV	
4624	9	PEG	21 42 08.534	+17 07 11.12	+0.0008	-0.010	4.31	2	5.49	2	6.45	2	G5IB		107365		
4625	46 -C- 1	CAP	21 42 20.376	-09 18 47.02	+0.0012	-0.002	5.09	2	6.20	2	7.14	2	G8II-III		145637		
4626	10 KAP	PEG	21 42 22.712	+25 24 51.97	+0.0025	+0.015	4.12	2	4.56	2	4.59	2	F5IV		89949	D	
4627	78	DRA	21 42 28.019	+72 05 26.87	-0.0100	-0.032	5.22	2					K1III		10131		65
4628	LAM- 1	OCT	21 43 27.797	-82 57 05.52	+0.0348	-0.033	5.29	2	6.04	2	6.51	2	GG5		258914	D	
4629	47 -C- 2	CAP	21 43 36.291	-09 30 26.97	+0.0012	+0.012	6.01	2	7.67	2	9.53	2	M3III	7	145648	V	
4630	12	PEG	21 43 46.184	+22 43 03.07	+0.0005	+0.001	5.29		6.720				K0IB		89972		
4631	48 LAM	CAP	21 43 50.688	-11 35 50.88	+0.0019	-0.007	5.59		5.580				A2V		164639	V	
4632	EP	AQR	21 43 56.463	-02 26 40.90	+0.0015	+0.025	7.16	4	8.65	7			M8III	7	145652	V?	
4633	10 NU	CEP	21 44 00.269	+60 53 22.50	-0.0005	+0.001	4.29	2	4.81	2	4.94	2	A2IA		19624		
4634	50	CAP	21 44 00.428	-11 55 40.13	+0.0020	-0.128	7.02	4					F8	4	164640		
4635	49 DEL	CAP	21 44 16.992	-16 21 18.42	+0.0182	-0.294	2.830	1	3.120	1	3.220	1	A M		164644	DV	
4636	11	PEG	21 44 41.821	+02 27 14.60	+0.0007	+0.003	5.64	2	5.64	2	5.62	2	A0		127060		
4637	AI	CEP	21 44 45.352	+56 41 07.60	-0.0011	+0.006	8.9	6					B0	6	33744	V	
4638	10 THE	PSA	21 44 48.411	-31 07 50.65	-0.0018	+0.001	5.01	2	5.05	2			A2IIIN		213292	D	
4639	81 PI - 2	CYB	21 44 56.560	+49 04 39.35	+0.0002	+0.003	4.24	2	4.12	2	3.40	2	B3III		51293		
4640	12	CEP	21 45 56.671	+60 27 36.67	-0.0014	+0.005	5.44						GM1		19642		
4641	OMI	IND	21 46 35.522	-69 51 48.68	-0.0041	-0.004	5.53	2	6.90	2	8.53	2	K5III		255087		
4642	14	PEG	21 47 37.796	+29 56 26.28	+0.0013	-0.024	4.98		4.930				A0V		90040		
4643	13	PEG	21 47 45.825	+17 03 08.67	+0.0053	-0.058	5.24						F2III		107425	D	
4644	AG	PEG	21 48 36.185	+12 23 27.35	+0.0002	+0.002	7.6	5					WN6+M1-M3II	7	107436	V	
4645	V	GRU	21 48 46.938	-42 36 28.97	-0.0016	-0.029	9.5	7					F5	6	230871	V	
4646	AW	PEG	21 50 02.665	+23 46 38.19	-0.0003	-0.003	7.48	4					A2	4	90061	V	
4647	15	PEG	21 50 15.806	+28 33 31.24	-0.0046	-0.062	5.51						DF0		90065		
4648	51 MU	CAP	21 50 34.305	-13 47 16.98	+0.0212	+0.014	5.08	2	5.45	2			F0V		164713		
4649	16	PEG	21 50 47.084	+25 41 20.87	+0.0006	+0.002	5.07		4.890				B3V		90075		
4650	GAM	GRU	21 50 54.450	-37 36 03.59	+0.0087	-0.017	3.010	1	2.890	1	2.520	1	B8III		213374		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC			DECLINATION DEG MN SEC			P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	C N
4651	V 680	CYG	21 51 58.539	+53 34 01.56		+0.0017	-0.020	9.6	6									B8	6	33841	V	
4652	79	DRA	21 52 12.433	+73 27 56.37		+0.0085	+0.030	6.58	4									A0	4	10186		66
4653	DF	PEG	21 52 18.683	+14 19 15.69		+0.0002	-0.010	8.6	6											107406	V	
4654	EM	CEP	21 52 21.842	+62 22 40.46		-0.0010	+0.017	7.10	4									B3	4	19718	DV	
4655	PI	IND	21 52 44.415	-58 08 14.62		+0.0026	+0.015	6.34										A M?		247230		
4656	13	CEP	21 53 12.082	+56 22 26.13		-0.0010	+0.001	5.80	2	6.52	2	6.50	2					B8IE		33864	V?	
4657	17	PEG	21 54 29.982	+11 50 17.71		-0.0020	-0.008	5.56		5.620								A2V		107528		
4658	DEL	IND	21 54 31.763	-55 13 53.02		+0.0064	-0.005	4.390	1	4.680	1	4.760	1					F0IV		247244	D	
4659	VV	CEP	21 55 14.453	+63 23 13.52		-0.0004	+0.006	4.90	2	6.65	2	7.03	2					M2IAEP		19753	V	
4660	IR	CEP	21 56 19.493	+60 46 46.43		-0.0017	-0.008	7.96	7	8.86	7							G0	6	19765	V	
4661	11	PSA	21 56 43.073	-27 52 12.76		+0.0029	+0.002	7.46	4									F0	4	190800	D	
4662	MR	CYG	21 57 00.316	+47 44 37.14		-0.0008	+0.018	8.8	6											51509	V	
4663	16	PEG	21 57 37.992	+06 28 36.77		+0.0006	-0.001	6.00	2	5.88	2	5.31	2					B3III		127219		
4664	CS	LAC	21 57 39.866	+42 19 50.69		-0.0002	+0.000	8.8	6											51524	V	
4665	12	ETA	21 57 58.127	-28 41 39.91		+0.0013	+0.010	5.42	2	5.32	2							B8V		100822	D	
4666	CM	LAC	21 58 03.559	+44 18 42.36		-0.0001	+0.034	8.0	6									A2	6	51531	V	
4667	BG	LAC	21 58 23.044	+43 12 17.15		-0.0008	+0.013	8.8	6	9.62	7									51539	V	
4668	26	AQR	21 58 31.498	+00 21 50.85		+0.0005	-0.008	5.58	2	6.86	2	8.26	2					GK4		127235		
4669	16	CEP	21 58 32.543	+72 56 30.37		-0.0162	-0.154	5.06										F5V		10216		
4670	20	PEG	21 58 39.098	+12 52 46.68		+0.0039	-0.051	5.62										DF2		17587	D	
4671	19	PEG	21 58 40.273	+08 00 58.05		-0.0007	+0.003	5.68										GK5		127239		
4672	RT	LAC	21 59 28.557	+43 38 55.02		+0.0047	+0.012	8.8	6									G5	6	51563	V	
4673	EPS	IND	21 59 33.047	-56 59 33.64		+0.4822	-2.555	4.690	1	5.750	1	6.740	1					K5V		247287		
4674	29	DX	B AQR	21 59 42.278	-17 12 24.16		+0.0010	+0.002	7.4	4										164829	DV	
4675	29	A	AQR	21 59 42.543	-17 12 21.87		+0.0009	+0.004	7.15											164830	D	
4676	TT	PSA	22 00 22.687	-31 41 14.15		-0.0006	-0.017	7.52	5	9.00	7	10.23	7					A2		213500	V	
4677	14	LZ	CEP	22 00 23.523	+57 45 31.12		-0.0006	+0.004	5.56	2	5.63	2	4.77	2				08.5III+09	7	33900	V	
4678	30	AQR	22 00 38.685	-06 45 53.48		+0.0028	+0.009	5.54	2	6.50	2	7.23	2					G5		145836		
4679	31	OMI	AQR	22 00 43.658	-02 23 51.13		+0.0011	-0.010	4.69	2	4.64	2	4.22	2				B8VE		145837	V?	
4680	21	PEG	22 00 51.748	+11 08 39.09		+0.0011	-0.007	5.70		5.630								B9IV		107625		
4681	13	PSA	22 01 31.187	-30 09 34.39		+0.0011	+0.005	6.47	2	8.10	2							K5		213517		
4682	TW	PEG	22 01 43.211	+28 06 20.37		+0.0011	-0.004	7.0	7									M6-M7	7	90201	V	
4683	UV	PEG	22 01 57.834	+35 31 00.31		-0.0009	-0.008	8.6	6									A0	6	71992	V	
4684	32	AQR	22 02 13.132	-01 08 56.52		-0.0012	-0.047	5.31	2	5.54	2	5.69	2					A M		145853		
4685	15	CEP	22 02 15.929	+59 34 18.15		+0.0001	+0.004	6.74	4									B5	4	34016	D	
4686	17	X1 - 1	CEP	22 02 19.143	+64 23 03.30		+0.0286	+0.090	6.47	4								G	4	19826	D	
4687	17	X1 - 2	CEP	22 02 20.440	+64 23 01.68		+0.0320	+0.089	4.29	2	4.63	2	4.72	2				A M		19827	D	
4688	KAP	IND	22 02 21.317	-59 52 44.27		+0.0070	-0.053	5.60										K5		247303		
4689	18	MO	CEP	22 02 22.854	+62 52 34.06		+0.0042	+0.060	5.30		6.86	7	8.66	7				GM5		19828	V	
4690	HK	LAC	22 02 57.439	+46 59 27.21		+0.0060	+0.045	6.52	4	7.56	7	8.28	7					K0III	7	51628	V	
4691	LAM	GRU	22 03 06.497	-39 47 07.80		-0.0017	-0.117	4.460	1	5.830	1	7.490	1					K2III		213543		
4692	22	NU	PEG	22 03 09.442	+04 48 48.17		+0.0073	+0.105	4.84	2	6.28	2	8.08	2				K4III		127235		
4693	34	ALP	AQR	22 03 12.946	-00 33 48.59		+0.0011	-0.004	2.930	1	3.900	1	4.670	1				G2IB		145862		
4694	HT	LAC	22 03 17.016	+46 30 05.27		-0.0043	-0.016	6.12	2	7.72	2	9.49	2					GM8		51632	V	
4695	23	PEG	22 03 18.535	+28 43 13.44		+0.0018	-0.007	5.59		5.540								A0V		90217		
4696	20	CEP	22 03 29.142	+62 32 28.68		+0.0020	+0.063	5.22										K4III		19847		
4697	SV	PEG	22 03 30.979	+35 06 17.43		-0.0006	-0.002	8.5	6									MC	6	72019	V	
4698	19	CEP	22 03 36.232	+62 02 10.44		+0.0001	+0.005	5.11	2	5.19	2	4.36	2					09.5IB		19849	D	
4699	33	IOT	AQR	22 03 44.306	-14 06 46.98		+0.0027	-0.053	4.25	2	4.18	2	3.91	2				B8V		164861		
4700	AZ	PEG	22 04 20.724	+28 58 18.50		+0.0002	-0.003	8.6	6									M0	6	90231	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	G N
4701	24 IOT	PEG	22 04 40.836	+25 06 00.71	+0.0220	+0.028	3.760	1	4.200	1	4.170	1	F5V		90238		
4702	ALP	GRU	22 05 05.486	-47 12 14.54	+0.0128	-0.149	1.740	1	1.610	1	1.140	1	B5V		230902	OV?	
4703	14 MU	PSA	22 05 28.281	-33 14 00.28	+0.0061	-0.033	4.500	1	4.550	1	4.610	1	A2V		213576		
4704	25	PEG	22 05 29.228	+21 27 31.64	-0.0034	-0.065	5.78	2	5.68	2	5.27	2	B7V		90252		
4705	UPS	PSA	22 05 30.682	-34 17 18.22	+0.0006	-0.045	4.99		6.470				G61		213577		
4706	CX	LAC	22 05 38.813	+39 51 43.96	+0.0001	+0.009	7.9	6					K5	6	72053	V	
4707	35	AQR	22 06 14.607	-18 45 54.59	+0.0001	-0.009	5.74						B3		164888		
4708	T	PEG	22 06 27.303	+12 17 41.85	-0.0021	+0.009	8.4	4					M6E	4	107690	V	
4709	AR	LAC	22 06 39.525	+45 29 45.02	-0.0028	+0.035	6.3						K2III+FB		51684	V	
4710	36	AQR	22 06 48.305	-08 25 56.25	+0.0041	+0.051	6.99	4					G5	4	145905		
4711	27 PI - 1	PEG	22 07 00.491	+32 55 38.77	-0.0048	-0.062	5.55						G66		72064	V	
4712	Y	LAC	22 07 07.776	+50 48 00.12	+0.0002	+0.004	8.8	6	9.36	7			F8	6	34106	V	
4713	15 TAU	PSA	22 07 13.298	-32 47 41.36	+0.0344	+0.015	4.92	2	5.40	2			DF5		213602		
4714	DM	CEP	22 07 23.162	+72 31 23.96	-0.0049	+0.020	7.5	6					MB	6	10258	V	
4715	26 THE	PEG	22 07 40.600	+05 57 04.13	+0.0184	+0.032	3.550	1	3.620	1	3.720	1	A2V		127340	V?	
4716	29 PI - 2	PEG	22 07 45.788	+32 55 55.97	-0.0012	-0.017	4.29	2	4.75	2	4.93	2	F5II-III		72077		
4717	37	AQR	22 07 51.820	-11 04 02.37	+0.0034	+0.029	7.03	4					K0	4	164907		
4718	38 -E	AQR	22 07 57.179	-11 48 41.98	+0.0020	+0.012	5.46		5.340				B6III?		164910		
4719	28	PEG	22 08 08.187	+20 43 53.56	-0.0013	-0.008	6.37		6.490				A4III		90287		
4720	24	CEP	22 08 51.004	+72 05 41.00	+0.0067	+0.010	4.79	2	5.71	2	6.32	2	G8III		10265		
4721	21 ZET	CEP	22 09 06.936	+57 57 15.50	+0.0016	+0.008	3.350	1	4.900	1	6.620	1	K1IB		34137	V?	
4722	39	AQR	22 09 44.078	-14 26 26.99	+0.0017	-0.039	6.17						DF2		164923	V?	
4723	22 LAM	CEP	22 09 48.556	+59 10 02.66	+0.0001	-0.006	5.05	2	5.29	2	4.55	2	O6F		34149		
4724	40	AQR	22 10 46.068	-12 10 26.50	+0.0017	-0.018	7.06	4					G5	4	164935		
4725	AT	PEG	22 10 54.212	+08 10 38.55	-0.0015	-0.015	8.5	6					A0	6	127380	V	
4726	16 LAM	PSA	22 11 28.964	-28 00 56.11	+0.0021	+0.002	5.45		5.340				B8III		190985		
4727	41	AQR	22 11 32.452	-21 19 25.50	+0.0011	+0.069	5.45						K0III		190986	V	
4728	MU - 1	GRU	22 12 36.640	-41 35 46.57	+0.0045	+0.030	4.790	1	5.590	1	6.050	1	GG4		231055		
4729	PSI	OCT	22 13 02.861	-77 45 42.41	-0.0160	+0.013	5.51	2	5.82	2	5.94	2	A6IV		258020		
4730	23 EPS	CEP	22 13 11.199	+56 47 37.39	+0.0541	+0.051	4.19	2	4.47	2	4.51	2	F0IV		34227	V	
4731	MU - 2	GRU	22 13 26.498	-41 52 36.93	-0.0006	-0.009	5.10	2	6.02	2			GG5		231063		
4732	1	LAC	22 13 47.175	+37 29 57.05	+0.0009	+0.008	4.13	2	5.59	2	7.21	2	K3II-III		72191		
4733	42	AQR	22 14 07.520	-13 04 53.41	+0.0008	+0.009	5.55						GK0		164974		
4734	43 THE	AQR	22 14 11.766	-08 01 58.75	+0.0079	-0.019	4.15	2	5.14	2	5.94	2	G8III-IV		145991		
4735	44	AQR	22 14 29.931	-05 38 15.02	+0.0002	+0.025	5.75	2	6.63	2	7.14	2	GG4		145993	V?	
4736	EPS	OCT	22 14 32.560	-80 41 24.35	+0.0199	-0.039	5.10	2	6.57	2	7.66	2	M6III		258928	V	
4737	ALP	TUC	22 15 05.690	-60 30 35.03	-0.0080	-0.039	2.850	1	4.220	1	5.750	1	K3III		255103	D	
4738	R	PSA	22 15 09.869	-29 51 17.34	+0.0008	-0.022	8.5	4					M3E	4	191030	V	
4739	TX	PEG	22 15 51.441	+13 21 27.53	+0.0004	-0.023	8.6	6					MB	6	107813	V	
4740	45	AQR	22 16 19.839	-13 33 21.87	+0.0052	-0.009	6.09						GG7		164996		
4741	25	CEP	22 16 34.602	+62 33 12.12	+0.0064	+0.020	5.78						K3III		19991		
4742	GP	CEP	22 16 54.541	+55 52 30.02	-0.0006	+0.001	8.5	6					W5	6	34301	V	
4743	46 RHO	AQR	22 17 34.106	-08 04 22.44	+0.0009	+0.002	5.37	2	5.31	2	4.94	2	B8V		146023		
4744	30	PEG	22 17 56.585	+05 32 15.23	+0.0014	+0.004	5.37	2	5.35	2	4.88	2	B5III		127453	OV?	
4745	ST	AQR	22 18 24.567	-07 12 59.69	+0.0037	+0.022	9.0	6					F0	6	146035	V	
4746	47	AQR	22 18 50.606	-21 50 58.35	-0.0006	-0.082	5.13		6.200				K2III		191083		
4747	2	LAC	22 18 57.336	+46 17 03.53	+0.0020	+0.009	4.56	2	4.46	2	3.96	2	B6IV		51904	D	
4748	32	PEG	22 19 00.607	+28 04 41.10	+0.0013	+0.007	4.81	2	4.81	2	4.62	2	B8V		90440	D	
4749	31	PEG	22 19 03.314	+11 57 09.63	+0.0006	+0.012	4.99	2	4.89	2	4.08	2	B2VE		107854		
4750	DZ	AQR	22 19 04.311	-07 51 38.35	-0.0003	-0.013	7.9	6					MB	6	146043	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SA CAT. NO.	STAP PROP.	G N
4751	48 GAM	AJR	22 19 04.420	-01 38 23.77	+0.0086	+0.012	3.840	1	3.780	1	3.650	1	B9III	6	146044	OV?	
4752	FW	LAC	22 19 20.427	+45 23 51.62	+0.0007	+0.017	8.6	6					MB	6	51913	V	
4753	PI - 1	GRU	22 19 41.131	-46 12 02.35	+0.0006	-0.007	6.620	1	8.630	1	9.620	1	S4-7		231105	OV	
4754	PI - 2	GRU	22 20 04.223	-46 10 50.77	+0.0227	-0.046	5.62	2	5.98	2	5.99	2	F0IV		231111	D	
4755	T	LAC	22 20 08.702	+34 09 40.93	-0.0006	+0.022	9.2	6							72272	V	80
4756	B	OCT	22 20 21.891	-89 04 36.36	+0.0571	-0.040	6.54	4					A5	4	258931		
4757	NU	IND	22 20 21.963	-72 29 58.85	+0.2890	-0.686	5.29	2	5.94	2	5.88	2	G0V		258033	D	
4758	RT	AQR	22 20 27.643	-22 18 35.64	+0.0023	-0.022	9.2	6					M5	6	191102	V	
4759	49	AQR	22 20 43.881	-25 00 57.72	+0.0076	+0.003	5.61						GG9		191105		
4760	RW	CEP	22 21 13.980	+55 42 36.29	-0.0009	+0.014	6.8	4					MA	4	34387	V	
4761	33	PEG	22 21 15.061	+20 35 42.07	+0.0240	-0.011	6.01						DF4		90462	D	
4762	51	AQR	22 21 30.638	-05 05 26.02	+0.0020	-0.000	5.78	2	5.74	2	5.63	2	A0		146067	D	
4763	3 BET	LAC	22 21 35.317	+51 58 40.98	-0.0018	-0.183	4.44	2	5.46	2	6.23	2	G9III		34395		
4764	50	AQR	22 21 46.442	-13 47 00.79	+0.0032	+0.013	5.92						GG6		165044		
4765	4	LAC	22 22 29.025	+49 13 20.68	-0.0010	+0.001	4.58	2	4.67	2	4.33	2	B9IAB		51970		
4766	UPS	OCT	22 22 39.605	-86 13 26.79	-0.0349	+0.062	5.77	2	6.79	2	7.67	2	K0III		258932		
4767	52 PI	AQR	22 22 43.382	+01 07 22.87	+0.0012	+0.005	4.64	2	4.60	2	3.64	2	B1VPE		127520		
4768	T	GRU	22 22 46.207	-37 49 23.55	-0.0046	-0.003	7.8	7					MD	6	213810	V	
4769	T	PSA	22 23 20.818	-29 20 11.39	+0.0032	-0.019	8.0	6					F2	6	191138	D	
4770	DEL	TUC	22 23 48.047	-65 13 18.17	+0.0124	+0.005	4.47	2	4.44	2	4.37	2	B8V		255222	D	
4771	53 -F- 1	AJR	22 23 51.382	-16 59 46.26	+0.0181	-0.010	6.57						DG1		165077	D	
4772	53 -F- 2	AQR	22 23 51.659	-16 59 50.22	+0.0154	+0.000	6.35						DG2		165078	D	
4773	54	AQR	22 24 02.388	-11 28 58.89	+0.0026	-0.008	7.02	4					A3	4	165079		
4774	34	PEG	22 24 04.667	+04 08 16.86	+0.0200	+0.053	5.75	2	6.27	2	6.31	2	DF5	6	127529	D	
4775	KU	GRU	22 24 06.216	-37 26 36.66	+0.0002	-0.025	11.3	7					A0		213820	V	
4776	35	PEG	22 25 19.619	+04 26 39.41	+0.0054	-0.306	4.80	2	5.86	2	6.74	2	K0III-IV		127540		
4777	26	CEP	22 25 28.567	+64 52 37.17	+0.0002	+0.003	5.46	2	5.83	2	5.24	2	Bn.5IB		20075		
4778	NU	GRU	22 25 43.747	-39 23 07.96	+0.0031	-0.164	5.47	2	6.42	2			G9III		213850	D	
4779	55 ZET- 1	AQR	22 26 15.261	-00 16 35.27	+0.0119	+0.014	4.501	1	4.881	1	4.871	1	F2IV		146107	D	3
4780	55 ZET- 2	AQR	22 26 15.514	-00 16 36.08	+0.0138	+0.047	4.331	1	4.711	1	4.701	1	F2IV		146108	D	4
4781	DEL- 1	GRU	22 26 17.342	-43 45 06.41	+0.0026	-0.003	3.970	1	5.000	1	5.810	1	GG5		231154	V?	
4782	28	CEP	22 26 21.111	+78 31 51.25	-0.0056	-0.037	5.77						A2		10375		
4783	36	PEG	22 26 38.185	+08 52 23.15	+0.0038	-0.018	5.58	2	7.13	2	9.03	2	GK5		127544		
4784	DEL- 2	GRU	22 26 46.699	-44 00 20.85	-0.0007	+0.005	4.110	1	5.680	1	7.380	1	GM6	4	231161	OV?	
4785	S	LAC	22 26 49.375	+40 03 34.34	+0.0030	+0.022	7.6	4					M5E		52048	V	
4786	27 DEL	CEP	22 27 18.529	+58 09 31.76	+0.0015	+0.005	3.570	1	4.030	1	4.380	1	F5IB		34508	OV	
4787	37	PEG	22 27 26.247	+04 10 37.65	-0.0017	-0.139	5.48	2	5.86	2	5.95	2	F5IV		127551	D	
4788	5	LAC	22 27 26.535	+47 27 01.65	+0.0003	+0.000	4.37	2	6.05	2	7.15	2	M0IAB+B		52055	V?	
4789	56	AQR	22 27 36.684	-14 50 31.30	+0.0025	-0.036	6.37						A0		165127		
4790	38	PEG	22 27 44.365	+32 18 58.18	+0.0027	-0.010	5.47	2	5.370	2	4.59	2	B9V		72406		
4791	57 SIG	AQR	22 28 00.124	-10 56 04.11	+0.0000	-0.027	4.81	2	4.73	2			A0IV		165134		
4792	ZET	PSA	22 28 07.169	-26 19 46.83	+0.0026	-0.066	6.53	6					GK0		191196	OV?	
4793	ST	CEP	22 28 16.470	+56 44 38.89	+0.0002	+0.011	8.1						M0IB	7	4529	V	
4794	6	LAC	22 28 19.477	+42 51 59.90	-0.0007	+0.002	4.51	2	4.42	2	3.68	2	B2IV		52079		
4795	17 BET- 1	PSA	22 28 40.070	-32 36 11.08	+0.0053	-0.012	4.290	1	4.300	1	4.320	1	A0V		213883	D	
4796	BET- 2	PSA	22 28 40.358	-32 36 41.57	+0.0040	-0.022	7.8	4							213884		
4797	58	AJR	22 29 02.329	-11 09 44.89	+0.0049	-0.042	6.39						A7M		165147		
4798	7 ALP	LAC	22 29 13.558	+50 01 29.96	+0.0140	+0.023	3.770	1	3.780	1	3.780	1	A2V	6	34542	D	
4799	6X	PEG	22 29 14.976	+29 17 09.39	-0.0034	-0.024	6.28						A5		90568	V	
4800	29 RHO	CEP	22 29 27.436	+78 34 03.35	+0.0000	-0.016	5.52						A2		10402		

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TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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4801	WX	CEP	22 29 32.855	+63 15 54.73	+0.0032	-0.017	9.0	6					A0	6	20124	V	
4802	NU	TUC	22 29 38.365	-62 14 23.27	+0.0060	-0.024	4.800	1	6.410	1	8.110	1	GM4		255247		
4803	39	PEG	22 30 10.326	+19 58 18.35	+0.0113	+0.034	6.20						F0		107946		
4804	XZ	CEP	22 30 50.545	+66 53 33.88	-0.0009	-0.003	8.0	6							20141	V	
4805	60	AQR	22 31 28.226	-01 49 56.01	+0.0022	-0.035	5.89	2	6.89	2	7.62	2	GG6		146160		
4806	59 UPS	AQR	22 31 57.688	-20 57 53.86	+0.0158	-0.142	5.21	2	5.65	2			F3V		191235		
4807	EE	AQR	22 31 59.213	-20 07 05.53	+0.0035	+0.031	8.0	6					F0	6	191236	V	
4808	62 ETA	AQR	22 32 47.203	-00 22 32.77	+0.0059	-0.051	4.000	1	3.900	1	3.620	1	B8V		146181		
4809	61	AQR	22 33 07.403	-17 43 08.50	-0.0022	-0.039	6.81	4					K5	4	165178		
4810	SIG- 1	GRU	22 33 34.467	-40 50 28.61	+0.0038	-0.066	6.28	2	6.40	2			A4V		231211		
4811	B	LAC	22 33 38.333	+39 22 07.92	-0.0008	+0.001	6.45		6.310				B2V		72508	D	
4812	RZ	LAC	22 33 38.531	+52 29 03.56	+0.0008	+0.006	8.8	6					A0	6	14508	V	
4813	E	A	22 33 38.561	+39 22 30.24	+0.0002	-0.002	5.73	2	5.58	2	4.68	2	B1VE		72509	DV?	
4814	SIG- 2	GRU	22 34 04.113	-40 50 59.56	+0.0032	-0.071	5.86	2	5.92	2			A2		231217	D	
4815	31	CEP	22 34 31.982	+73 23 00.37	+0.00397	+0.030	5.18						F4III		10425		
4816	W	CEP	22 34 32.712	+58 09 59.87	-0.0017	+0.019	6.9	4					PEC	4	34614	V	
4817	CQ	CEP	22 34 56.777	+56 38 45.76	+0.0001	+0.003	8.6	6					W5	6	34622	V	
4818	63 KAP	AQR	22 35 10.024	-04 29 11.39	-0.0047	-0.114	5.03	2	6.17	2	7.33	2	K2III		116210		
4819	9	LAC	22 35 18.813	+51 17 11.75	-0.0061	-0.097	4.63	2	4.87	2	4.98	2	A7IV		34628		
4820	AB	AQR	22 35 54.870	-14 17 52.56	+0.0006	+0.004	9.1	6							165212	V	
4821	40	PEG	22 36 27.263	+19 15 46.52	-0.0030	-0.095	5.72						GG7		108064	D	
4822	64	AQR	22 36 38.232	-10 17 18.75	-0.0031	-0.004	7.16	4					G0	4	165217		
4823	30	CEP	22 36 52.249	+63 19 27.05	-0.0007	-0.020	5.15						A2		20190		
4824	10	LAC	22 37 00.772	+38 47 22.43	-0.0000	-0.000	4.88	2	4.68	2	3.63	2	O9V		72575	D	
4825	T	TUC	22 37 16.783	-61 48 53.94	+0.0001	-0.022	7.7	7					MD	6	255280	V	
4826	41	PEG	22 37 21.508	+19 25 12.95	-0.0003	-0.006	6.16		6.160				A2V		108078		
4827	RZ	CEP	22 37 27.923	+64 35 42.60	+0.0093	+0.212	9.3	6	9.720	7					20193	V	
4828	18 EPS	PSA	22 37 53.638	-27 18 17.76	+0.0022	+0.005	4.160	1	4.040	1	3.700	1	B8VE		191318		
4829	GQ	CEP	22 38 18.943	+75 23 47.32	+0.0114	-0.001	8.2	6					A0P	6	10449	V	
4830	11	LAC	22 38 18.981	+44 00 53.45	+0.0085	+0.016	4.46	2	5.79	2	7.15	2	K3III		52251		
4831	W	GRU	22 38 22.806	-44 06 08.43	+0.0004	-0.023	8.5	6					F5	6	231251	V	
4832	VX	LAC	22 38 44.805	+38 03 39.60	-0.0035	+0.000	9.5	6							72615	V	
4833	Z	LAC	22 38 53.212	+56 34 04.93	-0.0014	+0.001	9.0	6	9.88	7			F5	6	14693	V	
4834	42 ZET	PEG	22 38 57.996	+10 34 11.39	+0.0054	-0.008	3.400	1	3.310	1	3.070	1	B8V		108103	D	
4835	12 DD	LAC	22 39 14.013	+39 57 49.82	-0.0006	+0.003	5.25	2	5.11	2	4.24	2	B2III		72627	V	
4836	43 OMI	PEG	22 39 24.327	+29 02 46.11	-0.0004	-0.022	4.79	2	4.78	2	4.77	2	A1V		90717		
4837	RR	LAC	22 39 26.840	+56 10 16.01	+0.0003	+0.002	9.0	6	9.70	7			G5	6	34699	V	
4838	19	PSA	22 39 35.486	-29 37 22.08	+0.0022	-0.011	6.17		7.690				GM5		191337		
4839	BET	GRU	22 39 41.443	-47 08 48.19	+0.0135	-0.006	2.110	1	3.730	1	5.330	1	M3II		231258	V	
4840	SZ	AQR	22 40 07.684	-21 26 27.81	+0.0004	+0.007	8.8	6					K5	6	191345	V	
4841	65	AQR	22 40 23.446	-10 21 54.38	-0.0004	+0.014	7.20	4					K0	4	165248		
4842	RHO	GRU	22 40 36.447	-41 40 32.10	+0.0020	-0.089	4.850	1	5.880	1	6.690	1	GG8		231265	D	
4843	BD	PEG	22 40 36.963	+27 53 42.10	+0.0043	+0.006	8.9	6					M8	6	90732	V	
4844	67	AQR	22 40 37.611	-07 13 31.07	+0.0016	-0.012	6.41	2	6.37	2	6.26	2	B9		146273		
4845	44 ETA	PEG	22 40 39.264	+29 57 33.42	+0.0010	-0.021	2.950	1	3.810	1	4.380	1	G8III?+F?		90734	DV?	
4846	66 -G- 1	AQR	22 40 53.937	-19 05 33.20	-0.0020	-0.024	4.69	2	6.05	2	7.61	2	K4III		165252	V?	
4847	R	LAC	22 41 02.054	+42 06 25.04	-0.0019	+0.013	8.3	4					M5E	4	52298	V	
4848	BET	OCT	22 41 04.412	-81 38 41.05	-0.0284	+0.006	4.15	2	4.35	2	4.46	2	DA9		258941		
4849	13	LAC	22 41 51.369	+41 33 23.08	-0.0008	+0.008	5.12						K0III		52317	D	
4850	GL	LAC	22 42 05.629	+55 19 35.12	+0.0013	+0.010	8.8	6					A0P	6	34741	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V M	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S P	SAN CAT.NO.	STAR PROP.	S N
4851	UY	PEG	22 42 23.740	+30 01 46.18	+0.0027	-0.008	10.6	7					M1	6	72690	V	
4852	ETA	GRU	22 42 34.442	-53 45 49.19	+0.0040	+0.024	4.850	1	6.030	1	7.100	1	GK2	4	247570	?	
4853	20	PSA	22 42 48.015	-25 30 01.13	+0.0062	+0.020	6.85	4					A0	4	191302		
4854	45	PEG	22 43 02.059	+19 06 08.89	-0.0019	+0.061	6.27						G66		108154		
4855	47 LAM	PEG	22 44 07.173	+23 18 07.41	+0.0042	-0.006	3.940	1	5.020	1	5.930	1	G8II-III		90775		
4856	46 XI	PEG	22 44 11.582	+11 54 57.24	+0.0159	-0.493	4.19	2	4.69	2	4.67	2	F7V	4	108165	D	
4857	XI	TUC	22 44 15.109	-65 49 27.93	-0.0053	-0.016	6.52	4					K0	6	255316		
4858	GX	LAC	22 44 15.605	+56 35 18.70	-0.0007	+0.009	9.4	6					B5	6	34790	V	
4859	CR	CEP	22 44 26.990	+59 10 43.23	-0.0020	+0.018	9.0	6	10.340	7			G0	6	34795	V	
4860	CO	LAC	22 44 28.676	+56 33 42.12	-0.0011	+0.005	9.4	6					B8	6	34798	V	
4861	66 -G- 2	AJR	22 44 52.131	-19 52 28.69	-0.0072	-0.198	5.26		6.200				G7III		165293		
4862	DH	CEP	22 44 54.250	+57 49 13.41	+0.0006	-0.001	8.6	6					B2	6	34810	V	
4863	09 TAU- 1	AJR	22 45 03.557	-14 19 13.84	+0.0020	-0.006	5.70						B9		165298	D	
4864	EPS	GRU	22 45 32.707	-51 34 49.24	+0.0117	-0.064	3.480	1	3.560	1	3.640	1	A2V		247593	V?	
4865	XI	OCT	22 45 46.680	-80 23 19.00	+0.0095	-0.017	5.35	2	5.20	2	4.70	2	B5		258946		
4866	70	AQR	22 45 52.389	-10 49 12.64	+0.0022	+0.005	6.15						DFO		165308		
4867	AH	CEP	22 46 03.999	+64 47 52.62	+0.0003	+0.007	6.83	4					B3	4	20247	V	
4868	V	LAC	22 46 35.226	+56 03 25.20	-0.0006	+0.011	8.8	6	9.48	7			G5	6	34841	V	
4869	ST	PEG	22 46 41.444	+27 05 35.27	+0.0008	+0.001	9.9	7					M3	6	90805	V	
4870	71 TAU- 2	AJR	22 46 56.751	-13 51 25.17	-0.0010	-0.033	3.980	1	5.570	1	7.510	1	M0III		165321	V?	
4871	X	LAC	22 47 00.350	+56 09 48.66	-0.0006	+0.008	8.7	6	9.53	7			G5	6	34850	V	
4872	48 MU	PEG	22 47 35.191	+24 20 13.72	+0.0108	-0.036	3.480	1	4.420	1	5.100	1	G8III		90816		
4873	32 IOT	CEP	22 47 53.604	+65 56 13.80	-0.0109	-0.119	3.530	1	4.580	1	5.480	1	K1III		20268		
4874	14	LAC	22 48 06.148	+41 41 17.87	+0.0007	+0.004	5.91	2	5.99	2	5.48	2	B3IV?		52412	V?	
4875	21	PSA	22 48 35.745	-29 48 05.90	-0.0003	-0.007	6.03						GG9		191444		
4876	22 GAM	PSA	22 49 45.065	-33 08 28.32	-0.0024	-0.021	4.460	1	4.420	1	4.280	1	A0V		214153	UV?	
4877	15	LAC	22 49 46.387	+43 02 46.84	+0.0098	+0.033	5.02	2	5.64	2	5.63	2	GM0		52436	D	
4878	49 SIG	PEG	22 49 51.922	+09 34 08.98	+0.0353	+0.049	5.16						F7IV		127810		
4879	73 LAM	AQR	22 50 00.375	-07 50 46.15	+0.0005	+0.039	3.790	1	5.440	1	7.200	1	M2III		146362	V?	
4880	MX	CEP	22 50 40.183	+58 32 25.27	+0.0048	+0.013	7.9	6	7.92	7			A2P	7	34915	V	
4881	TAU- 1	GRU	22 50 40.838	-48 51 48.33	+0.0219	-0.073	6.04	2	6.66	2			G3IV		231343		
4882	74		22 50 50.798	-11 52 58.34	+0.0015	+0.004	5.81	2	5.73	2	5.41	2	B9		165359		
4883	RHO	IRD	22 51 12.632	-70 20 29.10	-0.0077	+0.073	6.05	2	6.71	2	6.95	2	G1V		258084		
4884	SW	LAC	22 51 22.544	+37 40 18.88	+0.0058	+0.005	8.8	6					G5	6	72820	V	
4885	75	AQR	22 51 28.949	-12 27 23.02	+0.0032	-0.045	7.18	4					K0	4	165366		
4886	78	AJR	22 51 57.934	-07 28 15.22	-0.0010	-0.034	6.19	2	7.47	2	8.88	2	GK3		146382		
4887	76 DEL	AQR	22 51 59.902	-16 05 13.92	-0.0029	-0.022	3.280	1	3.330	1	3.410	1	A3V		165375		
4888	77	AQR	22 52 06.820	-16 32 15.15	-0.0156	-0.086	5.56	2	6.70	2	7.79	2	K2III		165376	V?	
4889	IT	AQR	22 52 18.396	-09 38 29.00	-0.0002	-0.011	8.9	6					MB	6	146384	V	
4890	TAU- 2	GRU	22 52 21.798	-48 45 34.00	-0.0221	+0.058	6.66	4					F5	4	231353		
4891	1	PSC	22 52 25.968	+00 47 52.57	+0.0014	+0.006	6.11	2	6.31	2	6.46	2	A3		127836		
4892	V	PSA	22 52 34.962	-29 52 43.37	+0.0032	+0.004	9.3	7					MR	6	191491	V	
4893	AR	CEP	22 52 38.324	+84 46 48.96	+0.0216	+0.018	7.60	4					MB	4	3809	V	
4894	50 RHO	PEG	22 52 42.550	+08 32 55.88	+0.0052	+0.019	4.90	2	4.90	2	4.90	2	A1V		127839		
4895	23 DEL	PSA	22 53 11.009	-32 48 26.29	+0.0014	+0.035	4.210	1	5.180	1	5.880	1	GG8		214149	?	
4896	SX	LAC	22 53 39.390	+34 55 42.43	-0.0007	-0.008	8.3	6					A M		72857	V	
4897	TAU- 3	GRU	22 53 53.411	-48 14 11.99	-0.0032	+0.009	5.90								231364		
4898	TV	LAC	22 53 59.451	+53 57 43.47	+0.0007	+0.004	9.0	6					N3	6	34966	V	
4899	16 EN	LAC	22 54 06.309	+41 20 11.97	-0.0004	+0.004	5.58	2	5.44	2	4.61	2	B2IV		52512	DV	
4900	S	AQR	22 54 25.871	-20 36 38.97	+0.0014	-0.040	8.0	4					M4E	4	191516	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4901	KZ	CEP	22 54 33.138	+62 36 04.68	-0.0001	+0.006	7.76	7	8.22	7			B9V	7	20332	V	
4902	EW	LAC	22 54 51.568	+48 24 59.85	+0.0015	+0.000	5.48		5.420				B2PPE		52526	V	
4903	24 ALP	PSA	22 54 53.531	-29 53 15.79	+0.0258	-0.161	1.160	1	1.250	1	1.310	1	A3V		191524		
4904	51	PEG	22 55 00.357	+20 30 01.00	+0.0145	+0.063	5.50	2	6.17	2	6.37	2	G5V		90826	V?	
4905	TV	AND	22 55 46.040	+42 28 07.17	+0.0008	-0.011	9.0	6							52542	V	
4906	GT	CEP	22 55 59.129	+68 08 22.19	-0.0012	+0.012	8.1	6					B8	6	20345	V	
4907	52	PEG	22 56 41.593	+11 27 40.19	+0.0022	-0.036	5.72						F0V		108307	D	
4908	2	PSC	22 56 53.637	+00 41 43.79	+0.0056	-0.066	5.43	2	6.41	2	7.24	2	GK1		127881	D	
4909	ZET	GRU	22 57 56.340	-53 01 21.83	-0.0069	-0.008	4.110	1	5.070	1	5.780	1	G5III		247680		
4910	V 509	CAS	22 57 58.197	+56 40 37.16	-0.0006	+0.011	5.13	2	6.68	2	8.01	2	G0IAP		35039	V	
4911	3	PSC	22 58 04.009	-00 04 58.82	+0.0026	+0.020	6.21	2	7.10	2	7.70	2	G64		146443		
4912	BC	AND	22 58 37.580	+46 14 30.62	-0.0018	-0.012	8.7	6					MC	6	52504	V	
4913	81	AJR	22 58 47.739	-07 19 48.12	-0.0012	-0.007	6.21	2	7.62	2	9.39	2	GK5		146447		
4914	1 OMI	AND	22 59 36.873	+42 03 25.11	+0.0019	-0.000	3.620	1	3.530	1	3.000	1	B6P		52609	V	
4915	82	AQR	22 59 56.808	-06 50 34.38	-0.0005	-0.033	6.15	2	7.73	2	9.63	2	GM2		146465		
4916	2	AND	23 00 17.854	+42 29 18.86	+0.0048	-0.000	5.04		5.170				A2		52623	D	
4917	PI	PSA	23 00 44.085	-35 01 12.70	+0.0058	+0.085	5.11		5.410				F0IV		214275	V	
4918	4 BET	PSC	23 01 19.867	+03 33 01.75	+0.0007	-0.004	4.52	2	4.40	2	3.90	2	B5PE		127934		
4919	53 BET	PEG	23 01 20.770	+27 48 40.45	+0.0142	+0.142	2.420	1	4.090	1	6.050	1	M2II-III		90981	DV	
4920	CF	AND	23 01 22.846	+37 35 03.05	+0.0015	-0.002	8.2	6					MC	6	72968	V	
4921	EQ	AQR	23 01 38.654	-16 16 45.22	+0.0013	-0.005	9.0	6					M2	6	165473	V	
4922	KAP	GRU	23 01 42.868	-54 14 00.86	+0.0064	-0.110	5.26						GK5		247711		
4923	3	AND	23 01 55.867	+49 46 47.88	+0.0167	+0.172	4.66	2	5.72	2	6.60	2	K0III		52649		
4924	CW	CEP	23 02 01.053	+63 07 37.43	-0.0001	-0.008	7.7	5	8.110	7			B5	5	20401	V	
4925	UV	AND	23 02 05.998	+38 06 24.21	+0.0026	-0.004	8.4	6							72979	V	
4926	54 ALP	PEG	23 02 16.062	+14 56 09.11	+0.0043	-0.038	2.480	1	2.440	1	2.380	1	B9.5III		108378	V?	
4927	83 -H- 1	AJR	23 02 33.367	-07 57 50.40	+0.0085	+0.015	5.43	2	5.73	2	5.80	2	F2V		146498	D	
4928	64	AQR	23 02 42.418	-08 01 29.15	+0.0010	+0.002	7.0						K0		146500	D	
4929	ER	AQR	23 02 44.865	-22 45 25.15	+0.0032	+0.005	7.72	5	8.74	7			M3	6	191638	V	
4930	85	AQR	23 03 16.432	-08 12 24.77	+0.0008	+0.003	6.85	4					A0		146505		
4931	86 -C- 1	AJR	23 03 59.885	-24 00 49.12	+0.0048	+0.001	4.480	1	5.380	1	5.970	1	G69		191651	D	
4932	THE	GRU	23 04 04.199	-43 47 27.19	-0.0038	-0.018	4.290	1	4.720	1	4.880	1	F6IV		231444	D	
4933	UPS	GRU	23 04 06.933	-39 09 46.52	+0.0033	+0.017	5.61	2	5.62	2			A0V		214313	D	
4934	R	PEG	23 04 08.222	+10 16 21.49	-0.0003	-0.030	6.9	4					M7E	4	108403	V	
4935	55	PEG	23 04 29.023	+09 08 20.50	+0.0006	-0.010	4.51	2	6.09	2	7.97	2	M2III		127976		
4936	1	CAS	23 04 29.489	+59 08 57.60	+0.0010	+0.006	4.86	2	4.83	2	3.96	2	B0.5IV		35147		
4937	87	AQR	23 04 35.742	-07 57 52.95	+0.0010	-0.050	7.35	4					A0	4	146515		
4938	56	PEG	23 04 40.342	+25 11 53.04	-0.0003	-0.026	4.77	2	6.12	2	7.27	2	K0IAP		91019	V?	
4939	AF	SCL	23 04 43.275	-25 51 58.97	+0.0027	-0.014	8.5	6	10.04	7	11.48	7	M4III	7	191666	V	
4940	4	AND	23 05 21.702	+46 07 00.65	-0.0014	-0.026	5.33	2	6.74	2	8.46	2	K5III		52711	D	
4941	AG	SCL	23 05 25.021	-35 53 24.89	-0.0035	+0.032	9.2	6	10.76	7	12.32	7	M8	6	214335	V	
4942	5	AND	23 05 28.677	+49 01 23.31	+0.0154	+0.137	5.73						F5V		52713		
4943	5 A	PSC	23 06 07.193	+01 51 18.97	+0.0095	+0.111	5.40	2	6.31	2	6.87	2	G8IV		127993		
4944	33 PI	CEP	23 06 18.007	+75 07 01.55	+0.0031	-0.023	4.42	2	5.24	2	5.69	2	G2III		10629	D	
4945	Y	SCL	23 06 22.988	-30 24 17.77	+0.0002	+0.021	8.7	7					MB	6	214344	V	
4946	88 -C- 2	AQR	23 06 46.980	-21 26 38.94	+0.0038	+0.036	3.640	1	4.870	1	6.090	1	K0III		191683		
4947	57 GZ	PEG	23 06 59.919	+08 24 21.18	+0.0002	+0.008	5.11	2	6.58	2	7.58	2	M4IIIAS	7	128001	DV	
4948	89 -C- 3	AQR	23 07 14.783	-22 43 43.97	+0.0018	-0.005	4.680	1	5.320	1	5.700	1	SGG2+A2		191687	D	
4949	58	PEG	23 07 30.283	+09 33 02.54	-0.0009	-0.006	5.39	2	5.31	2	5.02	2	B8		128007		
4950	IOT	GRU	23 07 32.182	-45 31 04.35	+0.0130	-0.021	3.900	1	4.920	1	5.780	1	K0III		231468		

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

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4951	2	CAS	23 07 35.234	+59 03 41.17	-0.0006	+0.014	5.77	6	6.100				DA9		35186	n	
4952	PV	CAS	23 07 53.426	+58 55 49.26	-0.0000	+0.011	9.4	6					B8		35139	V	
4953	6	AND	23 08 08.184	+43 16 31.53	-0.0179	-0.184	5.95	2	6.39	2	6.34	2	F5IV		52761	V	
4954	AB	AND	23 09 08.609	+36 37 19.19	+0.0091	-0.059	9.1	6	9.870	7					73069		
4955	59	PEG	23 09 12.612	+08 26 53.78	-0.0005	+0.000	5.16	2	5.29	2	5.37	2	A2V		128022		
4956	60	PEG	23 09 23.305	+26 34 36.76	-0.0142	-0.114	6.22	2					K0IV		91090		
4957	7	AND	23 10 15.119	+49 07 58.27	+0.0092	+0.102	4.53	2	4.83	2	4.87	2	F0V		52797	V	
4958	CK	AND	23 10 39.889	+42 14 21.26	-0.0003	+0.028	9.1	6					G5		128041	V	
4959	SZ	PSC	23 10 50.564	+02 24 10.02	-0.0002	+0.041	8.1	6					A0		35242	V	
4960	V 396	CAS	23 11 23.070	+56 27 56.72	-0.0011	-0.001	9.2	6					M2III		146595		
4961	90	PHI	23 11 43.976	-06 19 07.92	+0.0025	-0.192	4.22	2	5.77	2	7.64	2	MD		52832	V	
4962	IY	AND	23 12 21.996	+40 31 18.67	+0.0015	-0.011	8.8	6					K0III		146598	n	
4963	91	PSI- 1	23 13 16.342	-09 21 37.71	+0.0249	-0.012	4.25	2	5.36	2	6.37	2	GK3		91130		
4964	61	PEG	23 13 19.482	+27 58 30.19	+0.0012	+0.001	6.33	2					GM5		146612	V	
4965	92	CHI	23 14 15.451	-07 59 58.34	-0.0013	-0.011	5.06	2	6.66	2	8.26	2	M8		108506	V	
4966	EO	PEG	23 14 16.422	+10 19 34.46	+0.0024	+0.000	8.4	6					G5		91141	V	
4967	EZ	PEG	23 14 26.000	+25 26 46.25	-0.0052	+0.013	9.1	6					F0III		247814		
4968	GAM	TUC	23 14 31.468	-58 30 36.44	-0.0032	+0.089	3.990	1	4.390	1	4.360	1	G7III		128085		
4969	5	GAM	23 14 34.331	+03 00 31.65	+0.0507	+0.022	3.690	1	4.600	1	5.170	1	B5V		146620		
4970	93	PSI- 2	23 15 18.318	-09 27 20.71	+0.0012	-0.008	4.40	2	4.26	2	3.72	2	DF6		231539		
4971	PHI	GRU	23 15 24.684	-41 05 46.60	+0.0118	-0.124	5.54	2	5.98	2			GM2		52871	DV?	
4972	B	AND	23 15 25.132	+48 44 30.65	+0.0035	+0.013	4.86	2	6.53	2	8.50	2	B9P		52876	V	
4973	ET	AND	23 15 34.873	+45 12 56.35	+0.0030	-0.012	6.3	6	6.260	7			A3		52881	V	
4974	9	AN	23 16 00.640	+41 30 01.04	-0.0007	-0.007	5.9						G8III		214444		
4975	GAM	SCL	23 16 07.705	-32 48 16.84	+0.0017	-0.064	4.410	1	5.540	1	6.600	1	A0V		146635	DV?	
4976	95	PSI- 3	23 16 21.648	-09 53 03.68	+0.0030	+0.003	4.98	2	4.96	2			K2V		165624	n	
4977	94	B	23 16 28.764	-13 43 38.44	+0.0210	-0.088	7.6						G5IV-V		165625	n	
4978	94	A	23 16 28.940	-13 43 52.31	+0.0202	-0.098	5.08	2	5.88	2			K0III		20554	DV?	
4979	34	OMI	23 16 33.630	+67 50 16.11	+0.0102	+0.022	4.76	2	5.60	2	6.09	2	F2		146639	n	
4980	96	AGR	23 16 48.401	-05 23 52.39	+0.0133	-0.016	5.55	2	5.94	2			K0III		52907		
4981	11	AND	23 17 09.545	+48 21 03.09	+0.0017	+0.061	5.28	6					GM0		3897	V	
4982	AN	CEP	23 17 12.446	+82 44 13.75	+0.0019	-0.001	9.2								52914		
4983	10	AND	23 17 29.158	+41 48 14.77	+0.0035	+0.015	5.77						K2III		128126		
4984	7	-B	23 17 47.637	+05 06 29.24	+0.0054	-0.056	5.05	2	6.25	2	7.37	2	M6E		128130	V	
4985	S	PEG	23 18 00.950	+08 38 42.05	+0.0052	-0.028	7.3	4					A5IV		91186	V	
4986	62	TAU	23 18 09.505	+23 27 59.22	+0.0024	-0.002	4.60	2	4.77	2	4.87	2	GM0		73187		
4987	03	PEG	23 18 22.336	+30 08 30.63	+0.0062	-0.064	5.65						DF5		73190		
4988	12	AND	23 18 28.097	-37 54 32.77	+0.0109	-0.060	5.66						G0		165644	V	
4989	XY	AGR	23 18 44.752	-17 47 25.68	+0.0017	-0.012	8.8	6					B3V		73205	n	
4990	64	PEG	23 19 28.131	+31 32 17.67	+0.0003	-0.005	5.34		5.230				A3		165658	D	
4991	97	AGR	23 20 02.011	-15 18 50.34	+0.0075	+0.022	5.20	2	5.40	2			B9.5IV		91220		
4992	65	PEG	23 20 10.898	+20 33 15.75	+0.0014	-0.012	6.19		6.140				K0III		191858		
4993	98	-B- 1	23 20 20.779	-20 22 25.51	-0.0087	-0.090	3.980	1	5.080	1	6.030	1	K3III		108580	D	
4994	66	PEG	23 20 33.117	+12 02 22.34	+0.0018	-0.012	5.12						K2III		258970		
4995	TAU	OCT	23 21 22.170	-87 45 27.44	+0.0325	+0.011	5.49	2	6.76	2	8.19	2	M4		165676	V	
4996	RU	AGR	23 21 47.163	-17 35 38.10	+0.0014	+0.015	8.8	6					B9III		73241		
4997	67	PEG	23 22 23.656	+32 06 35.86	+0.0011	+0.004	5.41		5.290				M1III		20614		
4998	4	CAS	23 22 36.330	+62 00 29.34	+0.0013	-0.006	5.08						F8IV		91253		
4999	68	UPS	23 22 52.799	+23 07 43.20	+0.0140	+0.043	4.41	2	5.02	2	5.16	2	K5III		191900		
5000	99	-B- 2	23 23 25.298	-20 54 58.53	-0.0038	-0.054	4.400	1	5.870	1	7.670	1					

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OF POOR QUALITY

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SA C.T.NO.	STAR PROP.	G N
5001	OMI	GRU	23 23 49.239	-52 59 55.03		+0.0037	+0.131	5.54					F3IV		247874		
5002	8 KAP	PSC	23 24 22.087	+00 58 53.91		+0.0057	-0.092	4.94	2	4.98	2	4.94	A P		128186	V	
5003	EW	AND	23 24 35.172	+49 14 28.27		-0.0012	+0.015	8.5	6				NB	6	53036	V	
5004	9	PSC	23 24 41.027	+00 50 51.75		+0.0028	-0.030	6.25	2	7.27	2	8.07	GG7		128188	V?	
5005	13	AND	23 24 42.403	+42 38 11.22		+0.0081	+0.020	5.59		5.590			B9		53039		
5006	69	PEG	23 25 11.053	+24 53 32.38		+0.0019	-0.035	5.82		5.760			A0III		91278		
5007	10 THE	PSC	23 25 25.805	+06 06 14.76		-0.0082	-0.041	4.30	2	5.38	2	6.41	K1III		128196		
5008	AH	SCL	23 25 47.971	-31 40 41.74		-0.0038	-0.004	9.2	6	10.78	7	12.62	MB	6	214568	V	
5009	70 -Q	PEG	23 26 37.409	+12 29 04.42		+0.0044	+0.034	4.56	2	5.50	2	6.24	G8III		108678		
5010	11	PSC	23 26 52.962	-02 03 59.72		-0.0010	-0.017	6.59	4				K0	4	146733		
5011	12	PSC	23 26 56.398	-01 18 40.25		-0.0013	-0.027	7.10	4				G0	4	146735		
5012	AN	TUC	23 27 33.672	-58 42 07.46		+0.0049	+0.009	9.8	6				A5	6	247905	V	
5013	AR	CAS	23 27 42.774	+58 16 23.29		+0.0024	+0.010	4.94	2	4.82	2	4.18	B3V		35478	OV	
5014	BG	AND	23 28 34.006	+42 59 21.91		+0.0030	+0.036	9.1	6						53108	V	
5015	14	AND	23 28 49.484	+38 57 41.12		+0.0246	-0.076	5.22	2	6.24	2	7.10	G8III		73311		
5016	100	AQR	23 29 04.853	-21 38 44.06		-0.0003	+0.007	6.24					A7N		191970		
5017	13	PSC	23 29 23.586	-01 21 43.93		+0.0006	+0.022	6.38	2	7.56	2	8.66	GK1		146756		
5018	DI	PEG	23 29 43.302	+14 41 34.46		-0.0009	-0.016	8.7	6						108667	V	
5019	BET	SCL	23 30 17.688	-38 05 42.35		+0.0073	+0.020	4.37	2	4.28	2	3.92	A P		214615		
5020	V 436	CAS	23 30 26.804	+57 37 45.85		+0.0015	-0.001	7.6	6	7.880	7		A0	6	35532	V	
5021	101 -B- 3	AQR	23 30 39.734	-21 11 27.66		-0.0006	+0.017	4.720	1	4.740	1	4.750	A1		191988	D	
5022	71	PEG	23 30 57.620	+22 13 21.53		+0.0008	-0.014	5.34					GM5		91340	V?	
5023	Z	AND	23 31 15.316	+48 32 31.54		+0.0002	+0.003	9.5	6				PEC	6	53146	V	
5024	72	PEG	23 31 28.032	+31 02 57.19		+0.0040	-0.011	5.04					K4III		73341	D	
5025	14	PSC	23 31 34.697	-01 31 25.75		+0.0070	-0.007	5.87	2	6.17	2	6.33	A3M?		146780		
5026	Y	PSC	23 31 52.679	+07 38 53.97		+0.0004	+0.012	8.8	6				A2	6	128261	V	
5027	73	PEG	23 32 09.553	+33 13 14.01		-0.0002	+0.027	5.56					GK0		73345		
5028	15	AND	23 32 10.367	+39 57 38.30		-0.0015	-0.040	5.59	2	5.69	2	5.77	A2III		73346		
5029	IOT	PHE	23 32 23.520	-42 53 30.27		+0.0040	+0.005	4.71	2	4.79	2	4.86	A P		231675	OV	
5030	15	PSC	23 32 55.123	+01 02 12.54		-0.0033	-0.021	6.65	4				K0	4	128270		
5031	16	PSC	23 33 50.114	+01 49 28.45		-0.0071	+0.062	5.67	2	6.11	2	6.03	DF0		128281		
5032	GG	AND	23 34 53.525	+46 49 51.92		+0.0007	+0.006	8.8	6						53195	V	
5033	16 LAM	AND	23 35 06.520	+46 11 13.82		+0.0154	-0.416	3.820	1	4.840	1	5.540	G8III-IV		53204	V	
5034	74	PEG	23 35 07.586	+16 32 55.04		+0.0093	+0.004	6.08		6.080			A2V		108729	V	
5035	V 403	CAS	23 35 13.911	+54 34 13.43		+0.0003	+0.011	9.0	6				G5	6	35610	V	
5036	75	PEG	23 35 25.097	+18 07 24.71		+0.0034	+0.024	5.49		5.460			A1V		108732	D	
5037	17 IOT	AND	23 35 40.605	+42 59 28.21		+0.0026	+0.004	4.29	2	4.18	2	3.90	B8V		53216	V?	
5038	ES	AQR	23 35 43.940	-23 49 56.68		+0.0021	-0.006	9.4	6	10.85	7		M3	6	192052	V	
5039	XX	CEP	23 36 00.130	+64 03 26.73		-0.0055	+0.018	8.6	6				A	6	20743	V	
5040	SV	CAS	23 36 35.977	+51 59 07.63		+0.0003	-0.001	6.7	4				M5	4	35640	V	
5041	18	AND	23 36 42.416	+50 11 40.85		-0.0018	+0.000	5.27		5.210			B9		35642		
5042	THE- 1	PHE	23 36 46.737	-46 54 54.72		+0.0010	+0.053	7.35	4						231718	D	
5043	THE- 2	PHE	23 36 47.311	-46 54 55.65		+0.0026	+0.039	6.64	4				A3	4	231719	D	
5044	102 OME- 1	AQR	23 37 11.538	-14 29 54.40		+0.0037	-0.034	5.00		5.240			A5		165818		
5045	35 GAM	CEP	23 37 16.533	+77 21 11.73		-0.0198	+0.156	3.210	1	4.240	1	5.190	K1IV		10818	V?	
5046	17 IOT	PSC	23 37 22.603	+05 21 18.60		+0.0251	-0.432	4.13	2	4.64	2	4.64	F7V	2	128310		
5047	19 KAP	AND	23 37 56.259	+44 03 25.16		+0.0075	-0.015	4.14	2	4.06	2	3.82	B8V	2	53264	D	
5048	MU	SCL	23 38 00.943	-32 20 58.98		-0.0073	-0.050	5.31	2	6.28	2		K0III		214701	V?	
5049	103 A- 1	AQR	23 38 58.973	-18 18 12.73		-0.0029	-0.067	5.60					GK5		165834		
5050	DK	PEG	23 39 00.796	+09 56 19.19		+0.0020	-0.008	8.8	6				A5	6	128331	V	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
5051	WY	AND	23 39 02.132	+47 19 05.91	-0.0014	-0.053	8.4	6							53278	V	
5052	104	A- 2	AGR	23 39 10.135	-18 05 38.16	+0.0009	+0.008	4.84	2	5.65	2	6.14	2	G01A	165836	V?	
5053	18	LAM	PSC	23 39 29.636	+01 30 17.32	-0.0087	-0.147	4.51	2	4.72	2	4.79	2	A7V	128336		
5054	105	OME- 2	AGR	23 40 07.808	-14 49 17.44	+0.0066	-0.063	4.51	2	4.47	2	4.34	2	B9.5V	165842	D	
5055	76		PEG	23 40 11.351	+16 03 29.32	+0.0063	+0.018	6.51	4					K0	1087A2		
5056	77		PEG	23 40 49.519	+10 03 13.86	+0.0004	+0.017	5.06	2	6.74	2	8.77	2	GM2	1087A9	V?	
5057		R	AGR	23 41 14.186	-15 33 41.79	+0.0020	-0.021	5.8						GM7EP	165849	V	
5058	78		PEG	23 41 28.241	+29 05 04.11	+0.0054	-0.032	4.93	2	5.89	2	6.52	2	K0III	91457	D	
5059	106	-I- 1	AGR	23 41 36.555	-18 33 16.30	+0.0019	+0.002	5.24		5.150				B8V	165854		
5060	107	-I- 2A	AGR	23 43 25.172	-18 57 22.27	+0.0093	+0.034	5.29	2	5.57	2			A5	165867	D	
5061		-I- 2B	AGR	23 43 25.519	-18 57 26.72	+0.0114	+0.048	7.0	4					A5	165868	D	
5062	20	PSI	AND	23 43 32.875	+46 08 33.54	+0.0009	-0.000	4.96	2	6.100				G51B	53355		
5063	19	TX	PSC	23 43 50.103	+03 12 33.74	-0.0024	-0.015	5.04	2	7.65	2	11.15	2	C6-2	128374	V	
5064		SX	PHE	23 43 54.191	-41 50 51.87	+0.0235	-0.052	7.51	4					A0	231773	V	
5065	5	TAU	CAS	23 44 36.094	+58 22 24.18	+0.0079	+0.059	4.94						K1III	35763		
5066		SIG	PHE	23 44 37.216	-50 30 14.18	+0.0007	-0.011	5.18	2					B5	248018		
5067	20		PSC	23 45 22.259	-03 02 22.61	+0.0062	+0.010	5.49	2	6.43	2	7.13	2	GRIII	146915		
5068		BS	AGR	23 46 11.566	-08 25 24.54	+0.0008	+0.002	9.2	6	8.810	7			F2	146923	V	
5069		DEL	SCL	23 46 19.467	-28 24 24.70	+0.0080	-0.101	4.570	1	4.570	1	4.560	1	A0V	192167	D	
5070	6		CAS	23 46 23.239	+61 56 11.81	-0.0008	+0.005	5.42	2	6.08	2	6.06	2	A3IA	20869	DV?	
5071	21		PSC	23 46 53.769	+00 47 54.47	-0.0003	-0.024	5.77	2	5.93	2	6.04	2	A2	128401		
5072	79		PEG	23 47 07.247	+28 33 50.55	+0.0050	+0.030	5.89						A3	91522		
5073		TZ	AGR	23 48 21.316	+47 13 47.51	+0.0002	+0.021	8.3	6					M6	53416	V	
5074	108	-I- 3	AGR	23 48 46.443	-19 11 13.92	+0.0013	+0.004	5.17	2	5.04	2			B9P	165918	V	
5075	80	HH	PEG	23 48 47.965	+09 02 10.26	-0.0012	-0.057	5.79	2	7.45	2	9.18	2	GM3	128421		
5076		GAM- 1	OCT	23 49 14.400	-82 17 48.57	-0.0198	-0.013	5.11	2	6.03	2	6.63	2	G7III	258989		
5077	22		PSC	23 49 24.141	+02 39 08.59	+0.0008	-0.010	5.54	2	7.07	2	8.92	2	K4II	128427		
5078		Z	AGR	23 49 40.068	-16 07 57.32	+0.0003	+0.003	9.2	6					M2E	165928	V	
5079	81	PHI	PEG	23 49 56.428	+18 50 33.39	-0.0003	-0.030	5.03						GM2	108878		
5080	82		PEG	23 50 03.929	+10 40 09.09	-0.0017	+0.009	5.29						A3	108879	V?	
5081	83		PEG	23 50 07.490	+21 27 52.98	-0.0012	-0.021	6.78	4					K0	91552		
5082		-H- 2	AGR	23 50 16.149	-09 16 28.44	+0.0041	-0.017	5.75	2	6.92	2	8.07	2	GK0	146953		
5083	24		PSC	23 50 21.395	-03 25 59.47	+0.0048	-0.041	5.93	2	7.00	2	7.96	2	GG9	146954	D	
5084		TZ	CAS	23 50 26.800	+60 43 27.64	-0.0034	+0.013	9.0	6					A0	20912	V	
5085	25		PSC	23 50 31.017	+01 48 45.34	+0.0013	-0.006	6.28	2	6.27	2	6.26	2	F8IAP	128436		
5086	7	RHO	CAS	23 51 52.422	+57 13 16.52	-0.0004	+0.005	4.59	2	5.85	2	7.00	2		35879	V	
5087		GL	AND	23 52 25.640	+45 06 54.77	+0.0019	+0.014	8.5	6					A1	53474	V	
5088	26		PSC	23 52 34.163	+06 47 34.70	+0.0013	-0.013	6.21	2	6.14	2	5.95	2	M7	128466		
5089		RS	AND	23 52 49.816	+48 21 36.49	+0.0007	-0.010	8.5	6					B9.5II	53480	V	
5090		V 373	CAS	23 53 02.612	+57 08 02.01	-0.0011	+0.002	6.00	2	6.22	2	5.50	2	M3E	35899	V	
5091		R	PHE	23 53 52.010	-50 03 55.02	-0.0030	-0.004	7.5	7					A2	248066	V	
5092		V	CEP	23 54 03.935	+82 54 46.25	+0.0258	+0.017	6.42						GG9	3994		
5093		GAM- 2	OCT	23 54 51.661	-82 26 52.62	-0.0148	-0.020	5.73	2	6.78	2	7.70	2	A2	258996		
5094		ETA	TUC	23 54 58.492	-64 34 33.31	+0.0142	-0.065	5.00	2	5.06	2	5.14	2	M3III	255609		
5095	84	PSI	PEG	23 55 12.376	+24 51 48.72	-0.0024	-0.027	4.66	2	6.25	2	7.92	2	M3E	91611		
5096		V	CET	23 55 20.268	-09 14 15.35	+0.0030	-0.061	8.9	4						147001	V	
5097		U	PEG	23 55 25.172	+15 40 30.53	-0.0025	-0.057	9.0	6						108933	V	
5098	1		CET	23 55 46.916	-16 07 32.92	+0.0055	-0.005	6.26	2	7.34	2	8.37	2	GG8	165972		
5099		R	CAS	23 55 51.685	+51 06 36.38	+0.0083	+0.014	4.8						GM7E	35938	DV	
5100	27		PSC	23 56 06.762	-03 50 00.24	-0.0033	-0.068	4.86	2	5.79	2	6.49	2	G9III	147008	D	

TABLE 4 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY RIGHT ASCENSION (1950.0)

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
5101	PI	PHE	23 56 20.774	-53 01 30.51		+0.0059	+0.066	5.14					K1III		24807		
5102	8 SIG	CAS	23 56 27.677	+55 28 35.99		+0.0009	+0.001	4.88	2	4.82	2	3.99	B1V		35947	D	
5103	S	PHE	23 56 29.695	-56 51 13.23		-0.0012	+0.005	7.4	4				M3E	4	248090	V	
5104	28 OME	PSC	23 56 44.493	+06 35 11.41		+0.0102	-0.109	4.010	1	4.430	1	4.500	F4IV		128513		
5105	EPS	TUC	23 57 19.974	-65 51 19.05		+0.0091	-0.020	4.480	1	4.390	1	4.110	B7V		255619		
5106	CG	AND	23 58 09.996	+44 58 30.09		+0.0024	+0.010	6.37		6.300			A P		53568	V	
5107	TAU	PHE	23 58 30.781	-49 05 17.74		-0.0023	-0.003	5.71	2	6.62	2		G8III		231895		
5108	WZ	CAS	23 58 41.893	+60 04 37.42		-0.0005	+0.002	6.9	4				NA	4	21002	V	
5109	THE	OCT	23 59 03.312	-77 20 30.14		-0.0157	-0.170	4.780	1	6.030	1	7.430	K2III		258207		
5110	29	PSC	23 59 15.615	-03 18 20.81		+0.0009	-0.004	5.11	2	4.99	2	4.48	B8III		147041	V?	
5111	30	PSC	23 59 23.719	-06 17 30.91		+0.0033	-0.036	4.41	2	6.04	2	7.88	M3IV		147042	V?	
5112	85	PEG	23 59 33.187	+26 49 02.92	C	+0.0628	-0.985	5.75	2	6.42	2	6.47	G3V		91669	D	
5113	W	CET	23 59 33.643	-14 57 15.21		-0.0009	-0.016	6.5					S7-3		166005	V	
5114	ZET	SCL	23 59 46.260	-29 59 57.06	N	+0.0008	+0.004	5.000	1	4.840	1	4.270	B4III			D	141
5115	31	PSC	23 59 50.387	+08 40 42.68		+0.0002	+0.003	6.32	2	6.50	2	6.64	A5		128544		
5116	32 -C	PSC	23 59 56.192	+08 12 27.85		-0.0065	-0.044	5.69	2	6.00	2	6.01	DF0		128547		

TABLE 3
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C T. NO.	STAR PROP.	G N
1	9 ALP CMA	06 42 56.713	-16 38 46.37	C	-0.0379	-1.211	-1.460	1	-1.460	1	-1.960	1	A1V		151881	n	
2	ALP CAR	06 22 50.493	-52 40 03.44		+0.0029	+0.022	-0.730	1	-0.580	1	-0.530	1	F0IB		234480		
3	ALP CEN	14 36 11.253	-60 37 48.84	C	-0.4904	+0.712	-0.280	1	0.440	1	0.770	1	G2V+DK1		252838	n	
4	16 ALP BOO	14 13 22.750	+19 26 30.95		-0.0776	-1.999	-0.050	1	1.180	1	2.460	1	K2IIIP		100944	V?	
5	3 ALP LYR	18 35 14.655	+38 44 09.68		+0.0171	+0.285	0.030	1	0.030	1	0.030	1	A0V		67174	OV?	
6	13 ALP AUR	05 12 59.466	+45 56 58.03		+0.0077	-0.423	0.080	1	0.880	1	1.330	1	G8III?+F		40196	OV?	
7	19 BET ORI	05 12 07.990	-08 15 28.65		-0.0002	-0.002	0.130	1	0.100	1	-0.550	1	B8IA		121907	OV?	
8	10 ALP CMI	07 36 41.117	+05 21 16.81	C	-0.0473	-1.029	0.370	1	0.790	1	0.820	1	F5IV		115756	OV?	
9	58 ALP ORI	05 52 27.809	+07 23 57.92		+0.0017	+0.010	0.420	1	2.260	1	4.380	1	M2IAR		113271	OV	
10	ALP ERI	01 35 51.307	-57 29 24.93		+0.0129	-0.028	0.480	1	0.320	1	-0.350	1	B5IV		232491		
11	BET CEN	14 00 16.510	-60 07 58.09		-0.0027	-0.023	0.620	1	0.380	1	-0.620	1	B1II		252582	D	
12	53 ALP AQL	19 48 20.590	+08 44 05.71		+0.0362	+0.387	0.760	1	0.980	1	1.070	1	A7V		125122	n	
13	87 ALP TAU	04 33 02.896	+16 24 37.51		+0.0045	-0.189	0.860	1	2.400	1	4.320	1	K5III		94027	OV	
14	21 ALP SCO	16 26 20.206	-26 19 21.95	C	-0.0005	-0.023	0.910	1	2.750	1	4.080	1	M1IR		184415	OV	
15	67 ALP VIR	13 22 33.301	-10 54 03.36		-0.0029	-0.033	0.970	1	0.740	1	-0.200	1	B1V		157923	V	
16	76 BET GEM	07 42 15.517	+28 08 55.11		-0.0474	-0.051	1.140	1	2.140	1	3.000	1	K0III		79666	OV?	
17	24 ALP PSA	22 54 53.531	-29 53 15.79		+0.0258	-0.161	1.160	1	1.250	1	1.310	1	A3V		191524		
18	50 ALP CYG	20 39 43.539	+45 06 03.11		+0.0001	+0.005	1.250	1	1.340	1	1.110	1	A2IA		49941	OV?	
19	BET CRU	12 44 47.037	-59 24 56.53		-0.0050	-0.017	1.250	1	1.020	1	0.030	1	B0.5IV		240259	OV	
20	ALP-1 CRU	12 23 48.064	-62 49 19.43		-0.0036	-0.017	1.317	1	1.067	1	0.067	1	B1IV		251904	D	54
21	32 ALP LEO	10 05 42.647	+12 12 44.54		-0.0170	+0.003	1.350	1	1.240	1	0.880	1	B7V		98967	OV?	
22	21 EPS CMA	06 56 39.587	-28 54 10.24		+0.0001	+0.002	1.500	1	1.290	1	0.360	1	B2II		172676	n	
23	66 ALP GEM	07 31 24.654	+31 59 59.07	C	-0.0134	-0.102	1.580	1	1.620	1	1.630	1	A1V+AM		60198	D	
24	GAM-1 CRU	12 28 22.727	-56 50 00.33		+0.0035	-0.267	1.630	1	3.220	1	5.180	1	M3II		240019	OV?	
25	35 LAM SCO	17 30 12.626	-37 04 09.63		+0.0001	-0.029	1.630	1	1.410	1	0.520	1	B1V		208954	V	
26	24 GAM ORI	05 22 26.828	+06 18 21.71		-0.0008	-0.014	1.640	1	1.420	1	0.540	1	B2III		112740	V?	
27	112 BET TAU	05 23 07.710	+28 34 01.74		+0.0019	-0.175	1.650	1	1.520	1	1.030	1	B7III		77168		
28	BET CAR	09 12 39.662	-69 30 39.63		-0.0288	+0.102	1.680	1	1.680	1	1.710	1	A1IV		250495		
29	46 EPS ORI	05 33 40.476	-01 13 56.30		-0.0002	-0.002	1.690	1	1.510	1	0.480	1	B0IA		132346		
30	ALP GRU	22 05 05.486	-47 12 14.54		+0.0128	-0.149	1.740	1	1.610	1	1.140	1	B5V		230992	OV?	
31	50 ZET ORI	05 38 14.043	-01 58 02.98	N	-0.0001	-0.002	1.770	1	1.560	1	0.500	1	O9.5IB+B3		132444	OV?	116
32	77 EPS UMA	12 51 50.084	+56 13 51.13		+0.0131	-0.010	1.770	1	1.750	1	1.760	1	A0PV		28553	V	
33	50 ALP UMA	11 00 39.570	+62 01 16.80		-0.0168	-0.071	1.790	1	2.860	1	3.780	1	K0II-III		15384	OV?	
34	33 ALP PER	03 20 44.441	+49 41 06.03		+0.0026	-0.022	1.790	1	2.270	1	2.660	1	F5IB		38787	V?	
35	ALP-2 CRU	12 23 48.695	-62 49 22.27	N	-0.0041	-0.014	1.828	1	1.578	1	0.578	1	B3N			D	55
36	GAM-2 VEL	08 07 59.465	-47 11 18.31		-0.0006	+0.004	1.830	1	1.580	1	0.640	1	VC 7+07?		219504	OV?	
37	25 DEL CMA	07 06 21.436	-26 18 45.36		-0.0006	+0.003	1.840	1	2.510	1	3.050	1	F8IA		173047		
38	20 EPS SGR	18 20 51.188	-34 24 36.94		-0.0026	-0.125	1.850	1	1.820	1	1.690	1	B9IV		210091	n	
39	EPS CAR	08 21 29.383	-59 20 52.98		-0.0033	+0.015	1.860	1	3.140	1	3.330	1	K0II+B		235932	V?	
40	85 ETA UMA	13 45 34.294	+49 33 44.12		-0.0129	-0.014	1.860	1	1.670	1	0.990	1	B3V		44752	V?	
41	THE SCO	17 33 43.371	-42 58 05.15		+0.0015	+0.000	1.870	1	2.270	1	2.490	1	F0IB		228201		
42	34 BET AUR	05 55 51.579	+44 56 40.68		-0.0052	-0.001	1.900	1	1.930	1	1.970	1	A2V		40750	OV	
43	24 GAM GEM	06 34 49.396	+16 26 37.40		+0.0030	-0.044	1.920	1	1.920	1	1.970	1	A0IV		95912		
44	ALP TRA	16 43 21.059	-68 56 19.89		+0.0052	-0.034	1.920	1	3.360	1	4.910	1	K4III		253700		
45	ALP PAV	20 21 42.289	-56 53 50.02		+0.0019	-0.085	1.940	1	1.740	1	1.030	1	B3IV		246574	V?	
46	DEL VEL	08 43 19.382	-54 31 28.26		+0.0025	-0.079	1.960	1	2.000	1	2.070	1	A0V		236232	D	
47	2 BET CMA	06 20 29.789	-17 55 47.23		-0.0009	-0.004	1.970	1	1.730	1	0.770	1	B1II-III	7	151428	V	
48	30 ALP HYA	09 25 07.791	-08 26 27.47		-0.0012	+0.028	1.970	1	3.420	1	5.140	1	K4III		136871	V?	
49	13 ALP ARI	02 04 20.917	+23 13 37.07		+0.0138	-0.144	2.000	1	3.150	1	4.280	1	K2III		75151	V?	
50	T CRB	15 57 24.505	+26 03 39.04		-0.0005	+0.011	2.0						PEC		84129	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
51	1 ALP UMI	01 48 48.786	+89 01 43.73		+0.1811	-0.004	2.020	1	2.620	1	3.000	1	F8I8		308	DV	
52	16 BET CET	00 41 04.811	-18 15 38.78		+0.0163	+0.036	2.020	1	3.030	1	3.910	1	K1III		147420	V?	
53	34 SIG SGR	18 52 09.927	-26 21 38.29		+0.0010	-0.054	2.030	1	1.810	1	1.060	1	B2V		147448		
54	43 BET AND	01 06 55.456	+35 21 21.74		+0.0146	-0.109	2.050	1	3.620	1	5.580	1	M0III		54471	DV?	
55	53 KAP ORI	05 45 23.013	-09 41 09.45		-0.0002	-0.005	2.050	1	1.870	1	0.850	1	B0.5IE		132542	V?	
56	21 ALP AND	00 05 47.841	+28 48 52.12		+0.0104	-0.158	2.060	1	1.950	1	1.480	1	B9P		73765		
57	5 THE CEN	14 03 43.877	-36 07 29.64		-0.0429	-0.523	2.060	1	3.050	1	3.950	1	K0III-IV		205198		
58	55 ALP OPH	17 32 36.696	+12 35 41.92		+0.0080	-0.227	2.070	1	2.220	1	2.320	1	A5II		102932	V?	
59	7 BET UMI	14 50 49.645	+74 21 35.57		-0.0086	+0.010	2.080	1	3.550	1	5.320	1	K4III		8102	V?	
60	BET GRU	22 39 41.443	-47 08 48.19		+0.0135	-0.006	2.110	1	3.730	1	5.330	1	M3II		231258	V	
61	26 BET PER	03 04 54.356	+40 45 52.46		+0.0003	+0.002	2.120	1	2.070	1	1.700	1	B8V		38592	DV	
62	94 BET LEO	11 46 30.605	+14 51 05.80		-0.0343	-0.119	2.140	1	2.220	1	2.300	1	A3V		99809	DV?	
63	GAM CEN	12 38 44.898	-48 41 07.32		-0.0192	-0.008	2.170	1	2.160	1	2.150	1	A0III		223603	D	
64	57 GAM-1 AND	02 00 49.177	+42 05 27.01		+0.0041	-0.048	2.179	1	3.389	1	4.309	1	K3II		37734	D	1
65	LAM VEL	09 06 09.310	-43 13 47.60		-0.0020	+0.012	2.210	1	3.860	1	5.670	1	K5I8		220878	DV	
66	33 GAM DRA	17 55 26.576	+51 29 38.52		-0.0014	-0.020	2.220	1	3.740	1	5.620	1	K5III		30653	D	
67	18 ALP CAS	00 37 39.313	+56 15 48.60		+0.0064	-0.027	2.230	1	3.400	1	4.520	1	K0II-III		21609	DV	
68	37 GAM CYG	20 20 25.927	+40 05 44.57		+0.0001	+0.002	2.230	1	2.900	1	3.440	1	F8I8		49528	DV?	
69	34 DEL-1 ORI	05 29 27.017	-00 20 04.41		-0.0002	-0.001	2.240	1	2.020	1	0.960	1	O9.5II		132220	DV	
70	5 ALP CRB	15 32 34.145	+26 52 54.75		+0.0090	-0.091	2.240	1	2.220	1	2.190	1	A0V		43893	V	
71	ZET PUP	08 01 49.552	-39 51 40.83		-0.0027	+0.011	2.250	1	1.980	1	0.890	1	O5F		198752		
72	IOT CAR	09 15 45.109	-59 03 53.69		-0.0025	+0.005	2.250	1	2.430	1	2.590	1	F0I		236808	V?	
73	11 BET CAS	00 06 29.735	+58 52 26.77		+0.0679	-0.177	2.270	1	2.610	1	2.730	1	F2IV		21133	DV	
74	26 EPS SCO	16 46 55.206	-34 12 15.56		-0.0492	-0.255	2.290	1	3.450	1	4.610	1	K2III-IV		208078	V?	
75	79 ZET-1 UMA	13 21 54.916	+55 11 09.46		+0.0139	-0.025	2.292	1	2.312	1	2.342	1	A2V		28737	DV?	15A
76	41 GAM-1 LEO	10 17 13.120	+20 05 42.86		+0.0218	-0.151	2.293	1	3.443	1	4.443	1	K0III		81298	D	83
77	EPS CEN	13 36 42.322	-53 12 46.33		-0.0025	-0.017	2.300	1	2.080	1	1.160	1	B1V		241047	D	
78	ALP LUP	14 38 35.530	-47 10 29.32		-0.0017	-0.020	2.300	1	2.100	1	1.220	1	B2II		225128	DV	
79	ETA CEN	14 32 19.306	-41 56 21.77		-0.0032	-0.035	2.310	1	2.120	1	1.300	1	B1.5V?NE		225044	DV?	
80	7 DEL SCO	15 57 22.318	-22 28 51.37		-0.0007	-0.025	2.320	1	2.200	1	1.300	1	B0V		184014		
81	36 EPS BOO	14 42 48.137	+27 17 02.66		-0.0038	+0.018	2.370	1	3.340	1	4.070	1	K0II-III+		83500	D	
82	46 BET UMA	10 58 50.251	+56 39 03.11		+0.0098	+0.029	2.370	1	2.350	1	2.350	1	A1V		27876	V?	
83	27 GAM CAS	00 53 40.324	+60 26 47.38		+0.0034	-0.000	2.390	1	2.290	1	1.180	1	B0IV?E		11492	DV	
84	8 EPS PEG	21 41 43.756	+09 38 41.69		+0.0020	+0.005	2.390	1	3.910	1	5.610	1	K2I8		127029	DV?	
85	ALP PHE	00 23 49.029	-42 34 38.54		+0.0187	-0.390	2.400	1	3.490	1	4.370	1	K0III		215093		
86	KAP SCO	17 39 01.548	-39 00 22.76		-0.0006	-0.029	2.410	1	2.200	1	1.320	1	B2IV		209163	V	
87	35 ETA OPH	17 07 30.461	-15 39 52.89	L	+0.0026	+0.095	2.420	1	2.470	1	2.560	1	A2.5V		160332	D	
88	53 BET PEG	23 01 20.770	+27 48 40.45		+0.0142	+0.142	2.420	1	4.090	1	6.050	1	M2II-III		90981	DV	
89	31 ETA CMA	07 22 06.972	-29 12 16.04		-0.0006	+0.002	2.440	1	2.350	1	1.640	1	B5IA		173651		
90	64 GAM UMA	11 51 12.566	+53 58 21.97		+0.0105	+0.007	2.440	1	2.440	1	2.470	1	A0V		28179	V?	
91	5 ALP CEP	21 17 23.181	+62 22 23.74		+0.0215	+0.052	2.450	1	2.670	1	2.780	1	A7IV-V		19302	D	
92	53 EPS CYG	20 44 11.168	+33 46 55.14		+0.0285	+0.329	2.460	1	3.490	1	4.360	1	K0III		70474	D	
93	54 ALP PEG	23 02 16.062	+14 56 09.11		+0.0043	-0.038	2.480	1	2.440	1	2.380	1	B9.5III		108378	V?	
94	KAP VEL	09 20 33.853	-54 47 47.30		-0.0009	+0.008	2.500	1	2.320	1	1.570	1	B2IV		236891		
95	92 ALP CET	02 59 39.744	+03 53 41.15		-0.0008	-0.074	2.530	1	4.170	1	6.100	1	M2III		110920		
96	ZET CEN	13 52 24.510	-47 02 34.86		-0.0056	-0.044	2.550	1	2.330	1	1.420	1	B2IV		224538		
97	THE-1 ERI	02 56 21.882	-40 30 15.15		-0.0045	+0.023	2.554	1	2.674	1	2.794	1	A3V		216113	DV?	74
98	68 DEL LEO	11 11 27.085	+20 47 52.67		+0.0102	-0.135	2.560	1	2.680	1	2.790	1	A4V		81727	V?	
99	13 ZET OPH	16 34 24.137	-10 28 02.81		+0.0008	+0.023	2.560	1	2.580	1	1.730	1	O9.5V		160006	D	
100	11 ALP LEP	05 30 31.394	-17 51 24.18		-0.0004	+0.001	2.570	1	2.770	1	3.020	1	F0I8		150547		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																		
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S P	SAO CAT. NO.	STAR PROP.	G N	
101	4 GAM	CRV	12 13 13.843	-17 15 51.84		-0.0114	+0.018	2.580	1	2.470	1	2.120	1	B8III		157176	V?	
102	38 ZET	SGR	18 59 25.892	-29 57 12.79	L	-0.0011	-0.001	2.590	1	2.670	1	2.720	1	A2III		1A7600	D	
103	27 BET	LIB	15 14 18.732	-09 11 58.93		-0.0066	-0.023	2.610	1	2.500	1	2.130	1	B8V		140430		
104	37 THE	AUR	05 56 18.627	+37 12 40.05		+0.0041	-0.082	2.620	1	2.540	1	2.360	1	B9.5PV		58636	DV?	
105	ALP	COL	05 37 50.211	-34 05 58.73		+0.0001	-0.027	2.640	1	2.520	1	2.050	1	B8VE		196059	DV?	
106	24 ALP	SCP	15 41 46.151	+06 34 53.93		+0.0091	+0.044	2.640	1	3.810	1	5.060	1	K2III		121157	D	
107	9 BET	CRV	12 31 45.340	-23 07 13.60		+0.0001	-0.058	2.64	1	3.520	1	4.170	1	G5III		180915	V?	
108	DEL	CEN	12 05 45.446	-50 26 38.33		-0.0034	-0.012	2.65	1	2.560	1	1.750	1	B2IVNE		239689	DV	
109	6 BET	ARI	01 51 52.340	+20 33 52.09		+0.0069	-0.108	2.650	1	2.780	1	2.880	1	A5V		75012	V?	
110	37 DEL	CAS	01 22 31.498	+59 58 34.35		+0.0400	-0.045	2.680	1	2.810	1	2.940	1	A5V		22268	V	
111	8 ETA	BOO	13 52 18.168	+18 38 51.35		-0.0045	-0.363	2.680	1	3.260	1	3.460	1	G0IV		100766		
112	BET	LUP	14 55 14.787	-42 56 02.06		-0.0034	-0.043	2.680	1	2.460	1	1.610	1	R2IV		225335		
113	34 UPS	SCO	17 27 21.662	-37 15 28.57		-0.0001	-0.032	2.680	1	2.450	1	1.640	1	B3IR		208896		
114	MU	VEL	10 44 36.818	-49 09 19.66		+0.0072	-0.050	2.690	1	3.590	1	4.160	1	G5III		222321	D	
115	3 IOT	AUR	04 53 43.982	+33 05 19.94		+0.0003	-0.018	2.690	1	4.220	1	6.000	1	K3II		57522	V?	
116	PI	PUP	07 15 22.550	-37 00 23.90		-0.0010	+0.003	2.700	1	4.320	1	5.570	1	K5III		197795	V?	
117	ALP	MUS	12 34 10.693	-68 51 36.83		-0.0074	-0.016	2.700	1	2.500	1	1.660	1	B3IV		251974	DV?	
118	19 DEL	SGR	18 17 47.554	-29 51 04.68		+0.0030	-0.029	2.700	1	4.080	1	5.630	1	K2III		1A6641	D	
119	8 BET- 1	SCO	16 02 31.507	-19 40 12.45		-0.0004	-0.021	2.714	1	2.628	1	1.774	1	B0.5V		159682	DV?	13A
120	50 GAM	AQL	19 43 52.907	+10 29 24.38		+0.0011	+0.002	2.720	1	4.240	1	5.920	1	K3II		1n5223		
121	IOT	CEN	13 17 46.683	-36 26 56.86		-0.0282	-0.089	2.730	1	2.760	1	2.770	1	A2V		204371		
122	29 GAM	VIR	12 39 07.452	-01 10 31.58	C	-0.0379	+0.008	2.740	1	3.100	1	3.070	1	F0V+F0V		138917	DV?	
123	14 ETA	DRA	16 23 18.476	+61 37 37.10		-0.0033	+0.059	2.740	1	3.650	1	4.350	1	G8III		17074	DV?	
124	1 DEL	OPH	16 11 43.325	-03 34 01.41		-0.0032	-0.145	2.750	1	4.340	1	6.300	1	M1III		141052		
125	9 ALP- 2	LIB	14 48 06.447	-15 50 06.59		-0.0075	-0.071	2.750	1	2.900	1	2.990	1	A M		158840	D	
126	THE	CAR	10 41 10.052	-64 07 55.35		-0.0032	+0.008	2.760	1	2.540	1	1.540	1	09.5V		251093		
127	27 BET	HER	16 28 04.105	+21 35 50.16		-0.0071	-0.017	2.770	1	3.710	1	4.400	1	G8III		84411	V?	
128	60 BET	OPH	17 41 00.041	+04 35 11.84		-0.0028	+0.159	2.770	1	3.940	1	5.180	1	K2III		122671		
129	44 IOT	ORI	05 32 59.126	-05 56 28.26		-0.0003	+0.001	2.770	1	2.530	1	1.450	1	09III		132323	DV?	
130	23 BET	DRA	17 29 18.009	+52 20 15.65		-0.0024	+0.013	2.780	1	3.780	1	4.410	1	G2II		30429	D	
131	GAM	LUP	15 31 47.990	-41 00 00.97		-0.0014	-0.031	2.780	1	2.580	1	1.760	1	B2VN		225938	D	
132	67 BET	ERI	05 05 23.365	-05 08 58.54		-0.0067	-0.080	2.790	1	2.920	1	3.020	1	A3III		131794	V?	
133	BET	HYI	00 23 09.374	-77 32 08.50		+0.6884	+0.327	2.800	1	3.420	1	3.530	1	G2IV		255670		
134	15 RHO	PUP	08 05 24.821	-24 09 32.30		-0.0064	+0.048	2.810	1	3.240	1	3.430	1	F6IIP		175217	DV	
135	23 TAU	SCO	16 32 45.906	-28 06 50.56		-0.0006	-0.025	2.810	1	2.560	1	1.550	1	90V		184481		
136	40 ZET	HER	16 39 23.988	+31 41 32.11	C	-0.0369	+0.394	2.810	1	3.460	1	3.670	1	G0IV		65445	DV?	
137	22 LAM	SGR	18 24 53.059	-25 27 04.18		-0.0032	-0.185	2.810	1	3.850	1	4.750	1	K2III		186841		
138	DEL	CRU	12 12 28.600	-58 28 14.80		-0.0049	-0.010	2.810	1	2.570	1	1.660	1	B2IV		239791	V?	
139	49 DEL	CAP	21 44 16.992	-16 21 18.42		+0.0182	-0.294	2.830	1	3.120	1	3.220	1	A M		164644	DV	
140	47 EPS	VIR	12 59 41.210	+11 13 38.90		-0.0187	+0.017	2.840	1	3.780	1	4.520	1	G9II-III		100384	V?	
141	BET	ARA	17 21 08.264	-55 29 06.10		-0.0001	-0.024	2.840	1	4.300	1	5.840	1	K3IB		244725		
142	9 BET	LEP	05 26 06.090	-20 47 52.90		-0.0006	-0.091	2.840	1	3.660	1	4.130	1	G5III		170457	D	
143	88 GAM	PEG	00 10 39.447	+14 54 20.57		+0.0002	-0.007	2.840	1	2.610	1	1.750	1	B2IV		91781	V	
144	44 ZET	PER	03 50 58.959	+31 44 12.55		+0.0005	-0.009	2.850	1	2.970	1	2.190	1	B1IB		56799	DV?	
145	BET	TRA	15 50 42.980	-63 16 42.59		-0.0278	-0.396	2.850	1	3.140	1	3.190	1	F2IV		253346		
146	ALP	TUC	22 15 05.690	-60 30 35.03		-0.0080	-0.039	2.850	1	4.220	1	5.750	1	K3III		255193	D	
147	22 BET	AQR	21 28 55.650	-05 47 31.68		+0.0013	-0.005	2.870	1	3.710	1	4.280	1	G0IB		145457	D	
148	18 DEL	CYG	19 43 24.671	+45 00 28.23	C	+0.0046	+0.049	2.870	1	2.850	1	2.750	1	B9.5III		48796	DV?	
149	25 ETA	TAU	03 44 30.424	+23 57 07.57		+0.0014	-0.044	2.870	1	2.780	1	2.430	1	B7III		76199	D	
150	ALP	HYI	01 57 11.703	-61 48 45.43		+0.0379	+0.033	2.870	1	3.155	1	3.290	1	F0V		248474		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
151	13 MU GEM	06 19 56.096	+22 32 27.98		+0.0040	-0.112	2.870	1	4.510	1	6.370	1	M3III		78297	UV	
152	20 SIG SCO	16 18 08.667	-25 28 28.14		-0.0007	-0.023	2.880	1	3.010	1	2.320	1	B1III		184376	UV	
153	GAM TRA	15 14 12.588	-68 29 48.82		-0.0110	-0.031	2.890	1	2.900	1	2.870	1	A1V		253097		
154	41 PI SGR	19 06 47.450	-21 06 17.49	L	-0.0000	-0.035	2.890	1	3.240	1	3.460	1	F2II-III		187756	n	
155	3 BET CMI	07 24 26.357	+08 23 29.89		-0.0036	-0.040	2.890	1	2.800	1	2.520	1	B7V		115456	UV?	
156	45 EPS PER	03 54 29.432	+39 52 02.53		+0.0015	-0.024	2.890	1	2.710	1	1.710	1	B0.5V		56840	UV?	
157	12 ALP- 2 CVN	12 53 41.478	+38 35 16.82		-0.0201	+0.052	2.890	1	2.770	1	2.450	1	B9.5PV		63257	UV	
158	6 PI SCO	15 55 49.301	-25 58 18.14		-0.0007	-0.027	2.910	1	2.710	1	1.820	1	B1V		183987	UV?	
159	TAU PUP	06 48 41.683	-50 33 15.49		+0.0033	-0.074	2.920	1	4.120	1	5.330	1	K0III		234735		
160	23 GAM PER	03 01 09.595	+53 18 44.28		+0.0000	-0.002	2.930	1	3.630	1	4.080	1	G8III?+A3?		23789	n	
161	34 ALP AQR	22 03 12.946	-00 33 48.59		+0.0011	-0.004	2.930	1	3.900	1	4.670	1	G2IR		145862		
162	34 GAM ERI	03 55 41.672	-13 38 58.17		+0.0039	-0.110	2.940	1	4.540	1	6.520	1	M0III		149283	D	
163	7 DEL CRV	12 27 16.380	-16 14 14.14		-0.0148	-0.143	2.940	1	2.890	1	2.800	1	B9.5V?N		157323	UV?	
164	MU CEN	13 46 35.658	-42 13 31.64		-0.0020	-0.026	2.940	1	2.780	1	2.040	1	B2V?PNE		224471	UV	
165	44 ETA PEG	22 40 39.264	+29 57 33.42		+0.0010	-0.021	2.950	1	3.810	1	4.380	1	G8III?+F?		90734	UV?	
166	ALP ARA	17 27 58.353	-49 50 19.60		-0.0025	-0.071	2.950	1	2.780	1	2.090	1	B2.5V		228069	n	
167	2 EPS CRV	12 07 32.919	-22 20 30.12		-0.0052	+0.010	2.980	1	4.320	1	5.790	1	K3III		180531	V?	
168	17 EPS LEO	09 43 00.996	+24 00 19.62		-0.0033	-0.015	2.980	1	3.790	1	4.250	1	G0II		81094		
169	27 EPS GEM	06 40 51.363	+25 10 56.92		-0.0003	-0.015	2.980	1	4.380	1	5.840	1	G8IB		78682	UV?	
170	7 EPS AUR	04 58 22.530	+43 45 05.35		+0.0001	-0.004	2.990	1	3.530	1	3.860	1	A8IA		39955	UV	
171	10 GAM SGR	18 02 35.678	-30 25 35.80		-0.0041	-0.185	2.990	1	4.000	1	4.770	1	K0III		209696	V?	
172	17 ZET AQL	19 03 06.648	+13 47 15.86		-0.0005	-0.095	2.990	1	3.000	1	2.990	1	A0V?NN		104461	n	
173	4 BET TRI	02 06 33.579	+34 45 06.52		+0.0120	-0.037	3.000	1	3.140	1	3.260	1	A5III		55306	V?	
174	46 GAM HYA	13 16 11.868	-22 54 29.88		+0.0047	-0.049	3.000	1	3.920	1	4.580	1	G8III		181543		
175	GAM GRU	21 50 54.450	-37 36 03.59		+0.0087	-0.017	3.010	1	2.890	1	2.520	1	B8III		213374		
176	52 PSI UMA	11 06 51.583	+44 46 12.60		-0.0064	-0.032	3.010	1	4.150	1	5.270	1	K1III		43629		
177	39 DEL PER	03 39 21.241	+47 37 46.34		+0.0028	-0.032	3.010	1	2.890	1	2.380	1	A5III		39053	V?	
178	24 OMI- 2 CMA	07 00 56.142	-23 45 32.46		-0.0005	-0.001	3.010	1	2.930	1	2.130	1	B3IA		172839		
179	1 ZET CMA	06 18 23.546	-30 02 23.86		+0.0004	+0.003	3.020	1	2.840	1	2.120	1	B2.5V		196608		
180	27 GAM BOO	14 30 03.837	+38 31 34.11		-0.0099	+0.149	3.020	1	3.210	1	3.330	1	A7III		64203	UV	
181	IOT- 1 SCO	17 44 05.100	-40 06 34.94		+0.0001	-0.006	3.020	1	3.530	1	3.770	1	F2IA		228420	n	
182	MU - 1 SCO	16 48 28.679	-37 57 48.92		-0.0010	-0.029	3.030	1	2.810	1	1.930	1	B1.5V		208102	UV	
183	123 ZET TAU	05 34 39.263	+21 06 50.00		+0.0001	-0.022	3.030	1	2.840	1	2.220	1	B2IVP		77336	V	
184	UPS- 1 CAR	09 45 51.168	-64 50 22.20		-0.0015	+0.007	3.034	1	3.304	1	3.434	1	A9II		250695	D	35
185	68 OMI CET	02 16 49.045	-03 12 13.39		-0.0008	-0.233	3.040	1	4.460	1	5.550	1	GM6E		129825	UV	46
186	34 MU UMA	10 19 21.469	+41 45 06.25		-0.0074	+0.030	3.050	1	4.640	1	6.530	1	M0III		43310	V?	
187	BET MUS	12 43 11.492	-67 50 05.16		-0.0056	-0.024	3.050	1	2.870	1	2.130	1	B2.5V		252019	n	
188	13 GAM- 2 UMI	15 20 47.347	+72 00 42.97		-0.0051	+0.019	3.050	1	3.100	1	3.210	1	A3II-III		8220	V?	
189	64 ALP- 1 HER	17 12 21.948	+14 26 45.34		-0.0005	+0.034	3.060	1	4.510	1	5.520	1	M5II		102680	UV	
190	57 DEL DRA	19 12 32.824	+67 34 25.02		+0.0158	+0.093	3.070	1	4.070	1	4.850	1	G9III		18222		
191	6 BET- 1 CYG	19 28 42.222	+27 51 12.44		+0.0001	-0.002	3.080	1	4.210	1	4.830	1	K5II?+B?		87301	n	
192	9 BET- 2 CAP	20 18 12.200	-14 56 26.57		+0.0027	+0.003	3.080	1	3.870	1	4.140	1	F8V+A0		163481	n	
193	16 ZET HYA	08 52 45.092	+06 08 13.25		-0.0068	+0.010	3.100	1	4.100	1	4.920	1	K0II-III		117264		
194	ETA SGR	18 14 14.573	-36 46 43.49		-0.0107	-0.166	3.110	1	4.670	1	6.370	1	M3II		209957	n	
195	NU HYA	10 47 09.331	-15 55 53.45		+0.0062	+0.196	3.110	1	4.350	1	5.620	1	K3III		156256		
196	ALP IND	20 34 03.529	-47 28 02.93		+0.0055	+0.070	3.115	1	4.115	1	4.915	1	K0III		230300	D	
197	BET COL	05 49 11.727	-35 47 09.73		+0.0041	+0.402	3.120	1	4.280	1	5.490	1	K2III		106240		
198	22 PUP	08 20 25.732	-12 53 34.10		-0.0039	-0.048	3.13	2	4.13	2			GG7		154177		
199	LAM CEN	11 33 27.827	-62 44 34.60		-0.0057	-0.008	3.130	1	3.090	1	2.910	1	B9II		251472	D	
200	40 ALP LYN	09 18 00.865	+34 36 18.56		-0.0181	+0.013	3.130	1	4.680	1	6.630	1	M0III		61414	V?	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR C-T.MO.	STAR PROP.	G N
201	65 DEL	HER	17 12 58.555	+24 53 48.78	-0.0017	-0.157	3.130	1	3.210	1	3.290	1	A3IV		04951	OV?	
202	ZET	ARA	16 54 28.422	-55 54 48.63	-0.0016	-0.035	3.130	1	4.740	1	6.680	1	K5III		244315		
203	KAP	CEN	14 55 53.910	-41 54 17.68	-0.0017	-0.027	3.130	1	2.930	1	2.150	1	B2V		225344	n	
204	9 IOT	UMA	08 55 47.626	+48 14 22.05	-0.0443	-0.235	3.140	1	3.330	1	3.400	1	A7V		42630	D	
205	N	VEL	09 29 42.071	-56 48 47.60	-0.0042	-0.001	3.140	1	4.690	1	6.570	1	K5III		217067	V	
206	67 PI	HER	17 13 18.212	+36 51 51.83	-0.0025	+0.003	3.160	1	4.600	1	6.260	1	K3II		65890	V?	
207	27 PHI	SGR	18 42 31.962	-27 02 38.48	+0.0040	+0.001	3.160	1	3.050	1	2.690	1	B8III		187239		
208	22 ZET	DRA	17 08 38.146	+65 46 33.99	-0.0040	+0.021	3.170	1	3.060	1	2.630	1	B6III		17365		
209	NU	PUP	06 36 13.796	-43 09 04.09	-0.0006	-0.005	3.170	1	3.060	1	2.650	1	B8III		218071		
210	10 ETA	AUR	05 03 00.214	+41 10 08.38	+0.0026	-0.067	3.180	1	3.000	1	2.330	1	B3V		40026	V?	
211	25 THE	UMA	09 29 31.489	+51 54 23.18	-0.1029	-0.540	3.180	1	3.640	1	3.670	1	F6IV		27289	n	
212	ALP	CIR	14 38 26.380	-64 45 32.38	-0.0291	-0.238	3.190	1	3.430	1	3.550	1	F0VP		252853		
213	2 EPS	LEP	05 03 20.563	-22 26 12.86	+0.0013	-0.071	3.190	1	4.650	1	6.420	1	K5III		170051	V?	
214	1 PI - 3	ORI	04 47 07.390	+06 52 32.26	+0.0311	+0.017	3.190	1	3.650	1	3.640	1	F6V		112106	V?	
215	G	SCO	17 46 27.172	-37 01 45.62	+0.0045	+0.034	3.190	1	4.360	1	5.540	1	K1III		209318		
216	27 KAP	OPH	16 55 17.959	+09 27 04.81	-0.0199	-0.010	3.200	1	4.360	1	5.520	1	K2III		121962		
217	64 ZET	CYG	21 10 48.357	+30 01 15.51	-0.0001	-0.052	3.200	1	4.190	1	4.950	1	G8II		71070		
218	35 GAM	CEP	23 37 16.533	+77 21 11.73	-0.0198	+0.156	3.210	1	4.240	1	5.190	1	K1IV		10818	V?	
219	65 THE	AQL	20 08 43.494	-00 58 16.06	+0.0024	+0.007	3.220	1	3.150	1	3.030	1	B9.5III		144150		
220	DEL	LUP	15 18 04.851	-40 28 04.92	-0.0014	-0.032	3.220	1	3.000	1	2.130	1	B2IV		225601	V	
221	2 EPS	OPH	16 15 40.348	-04 34 19.57	+0.0054	+0.039	3.230	1	4.210	1	4.960	1	G9III		141046		
222	6 BET	CEP	21 28 01.326	+70 20 27.85	+0.0020	+0.013	3.230	1	3.010	1	2.050	1	B2III		10057	OV	
223	14 GAM	LYR	18 57 04.294	+32 37 11.26	-0.0005	+0.002	3.240	1	3.190	1	3.110	1	B9III		67663	DV?	
224	58 ETA	SCA	18 18 43.265	-02 54 48.20	-0.0370	-0.697	3.250	1	4.190	1	4.840	1	K0IV		142241		
225	GAM	HYI	03 47 59.464	-74 23 33.53	+0.0130	+0.117	3.250	1	4.870	1	6.835	1	M0III		256029		
226	SIG	PUP	07 27 38.615	-43 11 57.43	-0.0054	+0.186	3.254	1	4.774	1	6.544	1	K5III		218755	D	129
227	42 THE	OPH	17 18 56.157	-24 57 05.20	-0.0002	-0.021	3.260	1	3.030	1	2.180	1	B2IV		185320	V	
228	ALP	PIC	06 47 40.725	-61 53 14.35	-0.0101	+0.266	3.265	1	3.475	1	3.615	1	A5V		249647		
229	ALP	DOR	04 32 54.798	-55 08 51.77	+0.0061	+0.001	3.270	1	3.170	1	2.820	1	A0SI		233564	D	
230	20 SIG	LIB	15 01 08.247	-25 05 12.27	-0.0054	-0.047	3.270	1	4.980	1	6.940	1	M4III		183139	V	
231	31 DEL	AND	00 36 38.858	+30 35 15.79	+0.0106	-0.084	3.280	1	4.560	1	6.040	1	K3III		54058	n	
232	7 ETA	GEM	06 11 51.508	+22 31 23.36	-0.0048	-0.013	3.280	1	4.890	1	6.550	1	M3III		78135	DV	
233	76 DEL	AQR	22 51 59.902	-16 05 13.92	-0.0029	-0.022	3.280	1	3.330	1	3.410	1	A3V		165375		
234	49 PI	HYA	14 03 31.045	-26 26 32.51	+0.0032	-0.144	3.280	1	4.400	1	5.440	1	K2III		182244		
235	5 MU	LEP	05 10 41.013	-16 15 47.97	+0.0023	-0.027	3.290	1	3.180	1	2.780	1	A0		150237		
236	12 IOT	DRA	15 23 48.741	+59 08 26.16	-0.0020	+0.013	3.290	1	4.450	1	5.680	1	K2III		29520		
237	40 TAU	SGR	19 03 49.160	-27 44 43.14	-0.0040	-0.249	3.310	1	4.510	1	5.650	1	K1III		187683	DV?	
238	BET	PHE	01 03 51.357	-46 59 09.77	-0.0029	+0.005	3.310	1	4.210	1	4.770	1	G8III		215365	V?	
239	69 DEL	UMA	12 12 57.584	+57 18 36.94	+0.0126	+0.004	3.310	1	3.390	1	3.460	1	A3V		28315		
240	OME	CAR	10 12 33.047	-69 47 21.35	-0.0062	+0.003	3.320	1	3.240	1	2.920	1	B7IV		250885		
241	GAM	ARA	17 21 10.732	-56 19 58.85	+0.0003	-0.011	3.330	1	3.190	1	2.220	1	B1III		244726	D	
242	ETA	SCO	17 08 34.015	-43 10 31.10	+0.0021	-0.285	3.340	1	3.740	1	3.830	1	F0IVN		227707		
243	64 NU	OPH	17 56 16.332	-09 46 09.10	-0.0006	-0.119	3.340	1	4.330	1	5.200	1	G9III		142004		
244	-P	CAR	10 30 14.487	-61 25 39.68	-0.0028	+0.006	3.350	1	3.250	1	2.540	1	B5VE		251006	V	
245	70 THE	LEO	11 11 37.066	+15 42 11.38	-0.0042	-0.083	3.350	1	3.330	1	3.410	1	A2V		99512		
246	ALP	RET	04 13 46.543	-62 35 55.03	+0.0067	+0.050	3.350	1	4.260	1	4.890	1	G6II		248969	D	
247	28 ETA	ORI	05 21 57.676	-02 26 29.58	-0.0002	+0.001	3.350	1	3.180	1	2.250	1	B0.5V		132071	DV	
248	7 XI	PUP	07 47 11.421	-24 43 59.22	-0.0005	-0.004	3.350	1	4.600	1	5.780	1	G3IB		174601	D	
249	21 ZET	CEP	22 09 06.936	+57 57 15.50	+0.0016	+0.008	3.350	1	4.900	1	6.620	1	K1IB		34137	V?	
250	1 OMI	UMA	08 26 07.631	+60 53 14.56	-0.0180	-0.110	3.360	1	4.210	1	4.730	1	G5III		14573	DV?	

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OF POOR QUALITY

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
251	31 XI GEM	06 42 28.966	+12 57 04.31		-0.0079	-0.194	3.360	1	3.790	1	3.850	1	F5IV		96074	V?	
252	30 DEL AQL	19 22 58.597	+03 00 48.98		+0.0169	+0.083	3.360	1	3.680	1	3.720	1	F0IV		124603	V?	
253	EPS LUP	15 19 16.513	-44 30 40.20		-0.0018	-0.015	3.370	1	3.190	1	2.460	1	B3IV		225712	n	
254	11 EPS HYA	08 44 07.755	+06 36 12.41	L	-0.0128	-0.055	3.380	1	4.060	1	4.430	1	G0III+nF7		117112	n	
255	45 EPS CAS	01 50 46.378	+63 25 29.89		+0.0049	-0.015	3.380	1	3.230	1	2.610	1	B3IV?P		12031	V?	
256	-Q CAR	10 15 24.581	-61 04 55.08		-0.0037	+0.003	3.380	1	4.930	1	6.630	1	K5IB		250905	V	
257	43 DEL VIR	12 53 04.986	+03 40 07.60		-0.0314	-0.058	3.380	1	4.970	1	6.760	1	M3III		119674		
258	79 ZET VIR	13 32 08.554	-00 20 27.51		-0.0191	+0.036	3.380	1	3.500	1	3.580	1	A3VN		139420		
259	78 THE- 2 TAU	04 25 48.220	+15 45 41.80		+0.0071	-0.024	3.390	1	3.570	1	3.690	1	A7III		93957		
260	25 RHO PER	03 01 57.795	+38 38 52.85		+0.0111	-0.102	3.390	1	5.040	1	6.830	1	M4II-III		56138	V	
261	39 LAM ORI	05 32 22.913	+09 54 08.35	N	-0.0001	-0.005	3.390	1	3.200	1	2.170	1	O8+OEF5		112921	n	11a
262	-L CAR	09 43 52.354	-62 16 36.42		-0.0023	+0.003	3.400	1	4.600	1	5.600	1	CG2		250683	V	
263	42 ZET PEG	22 38 57.996	+10 34 11.39		+0.0054	-0.008	3.400	1	3.310	1	3.070	1	B8V		108103	n	
264	NU CEN	13 46 29.738	-41 26 21.60		-0.0021	-0.025	3.410	1	3.190	1	2.340	1	B2IV		224469	V?	
265	35 LAM TAU	03 57 54.378	+12 21 02.13		-0.0005	-0.009	3.410	1	3.290	1	2.660	1	B3V		93719	V	
266	GAM PHE	01 26 11.776	-43 34 25.93		-0.0015	-0.203	3.410	1	4.980	1	6.820	1	K5II		215516	V?	
267	ZET LUP	15 08 40.758	-51 54 37.80		-0.0116	-0.070	3.410	1	4.330	1	4.990	1	G8III		242304	n	
268	ETA- 1 LUP	15 56 48.024	-38 15 19.98		-0.0019	-0.034	3.410	1	3.190	1	2.350	1	B2V		207208	n	
269	BET PAV	20 40 28.662	-66 23 05.42		-0.0061	+0.017	3.415	1	3.580	1	3.695	1	A5IV		254862		
270	10 BET- 1 LYR	18 48 13.935	+33 18 12.51		+0.0000	-0.002	3.420	1	3.420	1	2.850	1	B PE		67451	DV	
271	86 MU HER	17 44 29.998	+27 44 55.40		-0.0233	-0.747	3.420	1	4.170	1	4.560	1	G5IV		85397	D	
272	2 ALP TRI	01 50 13.440	+29 20 10.14		+0.0008	-0.229	3.420	1	3.900	1	3.960	1	F6IV		74996		
273	22 SIG CMA	06 59 43.581	-27 51 43.32		-0.0006	+0.002	3.430	1	5.150	1	7.020	1	M0IAB		172797	DV	
274	16 LAM AQL	19 03 35.668	-04 57 32.74		-0.0014	-0.088	3.430	1	3.340	1	3.070	1	B9?V?N		143021		
275	3 ETA CEP	20 44 16.488	+61 38 38.85		+0.0128	+0.822	3.430	1	4.350	1	4.960	1	K0IV		19019	D	
276	24 ETA CAS	00 46 03.645	+57 33 03.15		+0.1368	-0.521	3.440	1	4.020	1	4.040	1	G0V		21732	D	
277	-A CAR	09 09 39.029	-58 45 41.72		-0.0034	+0.006	3.440	1	3.250	1	2.560	1	B2IV		236693	V?	
278	36 ZET LEO	10 13 54.758	+23 40 01.93		+0.0013	-0.012	3.440	1	3.750	1	3.940	1	F0III		81265		
279	33 LAM UMA	10 14 05.353	+43 09 53.53		-0.0151	-0.043	3.450	1	3.480	1	3.540	1	A2IV		43268		
280	31 ETA CET	01 06 04.420	-10 26 48.57		+0.0145	-0.133	3.450	1	4.610	1	5.800	1	K3III		147632		
281	BET DOR	05 33 11.331	-62 31 20.19		+0.0002	+0.007	3.450	1	4.100	1	4.520	1	F8IA		249311	V	
282	CHI CAR	07 55 30.426	-52 50 50.75		-0.0037	+0.025	3.470	1	3.290	1	2.640	1	B2IV		235635		
283	86 GAM CET	02 40 42.397	+03 01 34.05		-0.0097	-0.148	3.470	1	3.560	1	3.630	1	A2V		110707	D	
284	12 GAM SGE	19 56 31.938	+19 21 18.47		+0.0046	+0.025	3.470	1	5.040	1	6.970	1	K5III		105500		
285	EPS GRU	22 45 32.707	-51 34 49.24		+0.0117	-0.064	3.480	1	3.560	1	3.640	1	A2V		247503	V?	
286	48 MU PEG	22 47 35.191	+24 20 13.72		+0.0108	-0.036	3.480	1	4.420	1	5.100	1	G8III		90816		
287	41 GAM- 2 LEO	10 17 13.401	+20 05 39.68		+0.0222	-0.173	3.483	1	4.633	1	5.633	1	G7III		81299	n	84
288	54 NU UMA	11 15 46.947	+33 22 02.56		-0.0022	+0.023	3.490	1	4.890	1	6.440	1	K3III		62486	D	
289	49 DEL BOO	15 13 29.117	+33 30 01.20		+0.0066	-0.116	3.490	1	4.440	1	5.120	1	G8III		64599	DV?	
290	42 BET BOO	15 00 03.664	+40 35 12.80		-0.0040	-0.032	3.500	1	4.470	1	5.180	1	G8III		45337		
291	44 ETA HER	16 41 10.779	+39 00 58.79		+0.0028	-0.083	3.500	1	4.420	1	5.030	1	G7III-IV		65504		
292	52 TAU CET	01 41 44.660	-16 12 00.50		-0.1194	+0.858	3.500	1	4.220	1	4.430	1	G8VP		147986		
293	37 XI - 2 SGR	18 54 44.830	-21 10 26.87		+0.0023	-0.012	3.510	1	4.690	1	5.820	1	K1III		187504		
294	ALP TEL	18 23 15.974	-45 59 53.11		-0.0114	-0.046	3.510	1	3.340	1	2.690	1	B3III		229023		
295	55 XI SCA	17 34 43.274	-15 22 07.81		-0.0031	-0.061	3.520	1	3.760	1	3.880	1	F0IV		160700	D	
296	14 OMI LEO	09 38 29.008	+10 07 14.64		-0.0097	-0.041	3.520	1	4.010	1	4.220	1	A2+F6II		98709	D	
297	30 ETA LEO	10 04 36.533	+17 00 26.17		-0.0001	-0.006	3.530	1	3.490	1	3.280	1	A0IB		98955		
298	32 MU SCP	15 47 00.446	-03 16 42.95		-0.0060	-0.028	3.530	1	3.490	1	3.390	1	A0V		140787		
299	17 BET CNC	08 13 48.282	+09 20 27.73		-0.0030	-0.052	3.530	1	5.010	1	6.780	1	K4III		116569	n	
300	55 DEL GEM	07 17 08.265	+22 04 34.08		-0.0018	-0.014	3.530	1	3.870	1	3.910	1	F0IV		79294	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HP MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	S N
301	32 IOT CEP	22 47 53.604	+65 56 13.80		-0.0109	-0.119	3.530	1	4.580	1	5.480	1	K1III		20248		
302	23 DEL ERI	03 40 51.035	-09 55 53.05		-0.0067	+0.746	3.540	1	4.460	1	5.130	1	K0IV		130686		
303	74 EPS TAU	04 25 41.585	+19 04 16.36		+0.0076	-0.036	3.540	1	4.550	1	5.420	1	K0III		93954		
304	PHI VEL	09 55 06.249	-54 19 44.85		-0.0014	+0.005	3.540	1	3.460	1	2.830	1	B5II		237522		
305	XI HYA	11 30 32.264	-31 34 50.66		-0.0162	-0.042	3.540	1	4.470	1	5.170	1	G7III		202558		
306	IOT LUP	14 16 11.449	-45 49 41.82		-0.0013	-0.001	3.550	1	3.370	1	2.650	1	B3IV		224873		
307	8 IOT CET	00 16 52.784	-09 06 03.44		-0.0013	-0.031	3.550	1	4.770	1	5.940	1	K2III		128674		
308	14 ZET LEP	05 44 41.296	-14 50 21.19		-0.0016	-0.003	3.55	2	3.65	2	3.71	2	A3V		150801		
309	26 THE PEG	22 07 40.600	+05 57 04.13		+0.0184	+0.032	3.550	1	3.620	1	3.720	1	A2V		127340		
310	THE- 2 ERI	02 56 22.578	-40 30 14.34		-0.0062	+0.022	3.554	1	3.674	1	3.794	1	A2		216114		
311	41 UPS- 4 ERI	04 16 00.036	-33 55 09.65	L	+0.0049	-0.006	3.560	1	3.440	1	3.070	1	B8.5V		194902		
312	DEL PAV	20 03 50.451	-66 18 43.41		+0.1988	-1.141	3.560	1	4.320	1	4.780	1	GRV		254733		
313	12 DEL CRT	11 16 50.293	-14 30 27.65		-0.0088	+0.201	3.560	1	4.670	1	5.660	1	G8III-IV		156605		
314	PHI- 1 LUP	15 18 37.512	-36 04 53.19		-0.0075	-0.087	3.560	1	5.100	1	6.970	1	K5III		206552		
315	PHI ERI	02 14 43.421	-51 44 34.89		+0.0102	-0.022	3.565	1	3.445	1	3.055	1	B8V		232696		
316	51 AND	01 34 54.636	+48 22 32.65		+0.0066	-0.108	3.570	1	4.850	1	6.290	1	K3III		37375		
317	77 KAP GEM	07 41 25.857	+24 31 10.48		-0.0022	-0.055	3.570	1	4.490	1	5.190	1	G8III		79653		
318	39 UPS LIB	15 33 58.965	-27 58 15.39		-0.0006	-0.002	3.570	1	4.960	1	6.550	1	K5III		183619		
319	MU - 2 SCO	16 48 56.599	-37 56 03.17		-0.0009	-0.025	3.570	1	3.360	1	2.520	1	B2IV		208116		
320	27 DEL CEP	22 27 18.529	+58 09 31.76		+0.0015	+0.005	3.570	1	4.030	1	4.380	1	F5IR		34508		
321	6 ALP- 2 CAP	20 15 16.878	-12 42 04.49		+0.0042	+0.005	3.580	1	4.530	1	5.220	1	G9III		163427		
322	44 CHI DRA	18 21 57.480	+72 42 42.14		+0.1169	-0.356	3.580	1	4.070	1	4.010	1	F7V		9087		
323	54 LAM GEM	07 15 13.198	+16 37 56.12		-0.0034	-0.039	3.580	1	3.700	1	3.790	1	A3V		06746		
324	20 TAU ORI	05 15 10.601	-06 53 49.05		-0.0014	-0.008	3.590	1	3.470	1	3.010	1	B5III		131952		
325	45 THE CET	01 21 31.363	-08 26 27.16		-0.0056	-0.218	3.590	1	4.650	1	5.570	1	K0III		129274		
326	ZET- 2 SCO	16 51 03.544	-42 16 39.85		-0.0113	-0.236	3.590	1	4.950	1	6.560	1	K5III		227402		
327	25 RHO BOO	14 29 40.446	+30 35 24.14		-0.0079	+0.117	3.590	1	4.890	1	6.330	1	K3III		64202		
328	EPS CRU	12 18 38.819	-60 07 30.06		-0.0235	+0.082	3.590	1	5.010	1	6.630	1	GK3		251862		
329	5 BET VIR	11 48 05.387	+02 02 47.61		+0.0494	-0.275	3.600	1	4.150	1	4.260	1	F8V		119076		
330	PSI VEL	09 28 43.692	-40 14 49.28		-0.0165	+0.069	3.600	1	3.960	1	3.890	1	F2IV		221234		
331	12 KAP UMA	09 00 13.266	+47 21 20.78	L	-0.0033	-0.056	3.600	1	3.600	1	3.700	1	A0		42661		
332	55 ETA AQL	19 49 55.525	+00 52 33.23		+0.0005	-0.006	3.600	1	4.270	1	4.800	1	F6IB		125159		
333	1 OMI TAU	03 22 07.121	+08 51 15.25		-0.0046	-0.075	3.600	1	4.490	1	5.110	1	G8III		111172		
334	13 GAM LEP	05 42 22.653	-22 27 48.30		-0.0212	-0.373	3.600	1	4.070	1	4.080	1	F6V		170759		
335	34 THE GEM	06 49 29.672	+34 01 24.57		-0.0001	-0.051	3.600	1	3.700	1	3.840	1	A3III		59570		
336	OMI VEL	08 38 51.636	-52 44 37.10		-0.0022	+0.019	3.600	1	3.420	1	2.800	1	B3III		236164		
337	-C PUP	07 43 28.327	-37 50 46.51		-0.0012	-0.001	3.610	1	5.340	1	7.040	1	CK		198398		
338	DEL ARA	17 26 34.733	-60 38 40.90		-0.0065	-0.094	3.610	1	3.510	1	3.190	1	B8V		253945		
339	41 LAM HYA	10 08 08.945	-12 06 22.55		-0.0141	-0.095	3.610	1	4.610	1	5.530	1	K0III		155785		
340	DEL MUS	12 58 47.972	-71 16 47.18		+0.0560	-0.032	3.620	1	4.800	1	6.060	1	K2III		257000		
341	ETA PAV	17 40 49.242	-64 42 09.86		-0.0005	-0.052	3.620	1	4.800	1	5.960	1	K1III		254020		
342	27 TAU	03 46 11.030	+23 54 07.66		+0.0013	-0.043	3.620	1	3.530	1	3.170	1	B8III		76228		
343	99 ETA PSC	01 28 48.197	+15 05 19.39		+0.0019	-0.002	3.620	1	4.590	1	5.330	1	G8III		92444		
344	1 OMI AND	22 59 36.873	+42 03 25.11		+0.0019	-0.000	3.620	1	3.530	1	3.000	1	B6P		52609		
345	6 BET DEL	20 35 12.206	+14 25 12.31	C	+0.0077	-0.031	3.630	1	4.070	1	4.150	1	F5IV		106316		
346	41 -C- 1 ARI	02 47 02.036	+27 03 20.55		+0.0050	-0.112	3.630	1	3.530	1	3.150	1	B8V		75596		
347	88 -C- 2 AQR	23 06 46.980	-21 26 38.94		-0.0038	+0.036	3.640	1	4.870	1	6.090	1	K0III		191683		
348	LAM MUS	11 43 14.023	-66 27 05.06		-0.0161	+0.033	3.640	1	3.800	1	3.950	1	A7II-III		251575		
349	11 ALP DRA	14 03 01.963	+64 36 51.57		-0.0090	+0.015	3.650	1	3.600	1	3.520	1	A0III		16273		
350	BET IND	20 50 55.080	-58 38 40.20		+0.0031	-0.022	3.650	1	4.900	1	6.120	1	K0III		246784		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																		
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T. NO.	STAR PROP.	G N	
351	54 GAM	TAU	04 16 56.651	+15 30 30.62		+0.0080	-0.024	3.650	1	4.640	1	5.450	1	K0III		93848	V?	
352	43 ZET	GEM	07 01 08.627	+20 38 43.45		-0.0006	-0.003	3.650	1	4.340	1	4.820	1	F7I		79031	7V	
353	40 TAU	LIB	15 35 34.733	-29 36 53.56		-0.0011	-0.033	3.650	1	3.470	1	2.780	1	B2.5V		193649		
354	17 ZET	CAS	06 34 10.333	+53 37 19.42		+0.0021	-0.005	3.660	1	3.470	1	2.580	1	B2V		21566	V?	
355	THE	ARA	18 02 44.229	-50 05 49.53		-0.0011	-0.017	3.665	1	3.580	1	2.715	1	B0.5II		245242		
356	28 BET	SCP	15 43 52.670	+15 34 37.42		+0.0047	-0.049	3.670	1	3.730	1	3.810	1	A2IV		101725		
357	40 GAM	CAP	21 37 19.372	-16 53 21.05		+0.0131	-0.022	3.670	1	3.990	1	4.200	1	A M		164560	DV?	
358	23 -H	UVA	09 27 36.565	+63 16 55.10		+0.0161	+0.026	3.670	1	4.000	1	4.100	1	F0IV		14908	V	
359	3 BET	CRB	15 25 45.944	+29 16 37.26		-0.0137	+0.083	3.680	1	3.970	1	4.080	1	F P		83831	V?	
360	3 PI - 4	ORI	04 48 32.421	+05 31 16.34		-0.0003	+0.001	3.680	1	3.520	1	2.710	1	B2III		112142		
361	ALP	PYX	08 41 34.889	-33 00 18.64		-0.0014	+0.009	3.690	1	3.510	1	2.640	1	B2III		199546		
362	CHI	ERI	01 54 00.823	-51 51 25.74		+0.0733	+0.299	3.690	1	4.540	1	5.000	1	G5IV		232573		
363	6 GAM	PSC	23 14 34.331	+03 00 31.65		+0.0507	+0.022	3.690	1	4.600	1	5.170	1	G7III		128045	V?	
364	62 XI	CYG	21 03 06.589	+43 43 39.32		+0.0005	+0.004	3.700	1	5.350	1	7.150	1	K5IR		50424		
365	17	TAU	03 41 54.055	+23 57 27.82		+0.0014	-0.042	3.700	1	5.320	1	7.130	1	B6III		76131	7V	
366	16 TAU- 4	ERI	03 17 17.471	-21 56 19.62		+0.0034	+0.036	3.700	1	3.860	1	3.950	1	GM3		168460		
367	37 EPS	SCP	15 48 19.243	+04 37 36.85		+0.0084	+0.061	3.700	1	3.860	1	3.950	1	A M		121218		
368	92 XI	HER	17 55 49.210	+29 15 07.34		+0.0064	-0.017	3.700	1	4.640	1	5.340	1	G9III		85590	V?	
369	55 ZET	CET	01 48 59.447	-10 34 52.90		+0.0024	-0.036	3.720	1	4.860	1	5.920	1	K2II		148059	V?	
370	33 DEL	AUR	05 55 24.518	+54 17 00.14		+0.0095	-0.126	3.720	1	4.710	1	5.620	1	K0III		25502		
371	16 ETA	LEP	05 54 07.554	-14 10 31.67		-0.0034	+0.136	3.720	1	4.050	1	4.050	1	F0V		150957		
372	60 BET	AGL	19 52 51.383	+06 16 49.84		+0.0029	-0.479	3.720	1	4.580	1	5.070	1	G8IV		125235	DV?	
373	63 CHI	UMA	11 43 25.030	+48 03 24.16		-0.0138	+0.024	3.720	1	4.900	1	6.060	1	K0III		43886	V?	
374	109	VIR	14 43 43.083	+02 06 08.97		-0.0076	-0.031	3.730	1	3.720	1	3.690	1	A0V		120648		
375	65 TAU	CYG	21 12 47.559	+37 49 52.27		-0.0134	+0.437	3.730	1	4.130	1	4.160	1	F0IV		71121	DV	
376	8 PI - 5	ORI	04 51 38.661	+02 21 37.24		+0.0134	+0.437	3.730	1	4.130	1	4.160	1	B2III		112107	V	
377	-A	PUP	07 50 29.827	-40 26 45.27		-0.0003	+0.000	3.730	1	3.540	1	2.720	1	B2III		219082		
378	18 EPS	ERI	03 30 34.355	-09 37 34.76		-0.0003	+0.000	3.730	1	4.780	1	5.530	1	G5III		130564		
379	72	OPH	18 04 58.656	+09 33 18.94		-0.0662	+0.019	3.730	1	4.610	1	5.190	1	K2V		123142		
380	34 ZET	CAP	21 23 48.938	-22 37 44.34		-0.0042	+0.081	3.730	1	3.850	1	3.940	1	A4V		190341		
381	32 XI	DRA	17 52 39.700	+56 52 47.68		+0.0001	+0.027	3.740	1	4.740	1	5.340	1	G5P		30631		
382	62 GAM	OPH	17 45 23.019	+02 43 28.28		+0.0106	+0.078	3.750	1	4.930	1	6.140	1	K2II		122754		
383	2 XI	TAU	03 24 27.329	+09 33 35.17		-0.0016	-0.074	3.750	1	3.790	1	3.830	1	A0V		111195		
384	8 ZET	AUR	04 58 58.680	+41 00 17.78		+0.0039	-0.035	3.750	1	3.660	1	3.330	1	B8P		79966	V	
385	-C	VEL	09 02 25.701	-46 53 52.51		+0.0008	-0.022	3.750	1	4.970	1	5.350	1	K5II+B		220803		
386	NU	OCT	21 35 59.865	-77 36 50.23		-0.0050	-0.016	3.750	1	4.950	1	6.160	1	K2III		257948		
387	24 IOT	PEG	22 04 40.836	+25 06 00.71		+0.0176	-0.239	3.755	1	4.750	1	5.645	1	K0III		90238		
388	61 DEL	TAU	04 20 02.844	+17 25 36.81		+0.0220	+0.028	3.760	1	4.200	1	4.170	1	F5V		93897	V?	
389	1 KAP	CYG	19 15 56.786	+53 16 31.87		+0.0075	-0.028	3.760	1	4.750	1	5.570	1	K0III		31537		
390	ETA	ARA	16 45 27.405	-58 57 16.37		+0.0061	+0.125	3.760	1	4.730	1	5.470	1	K0III		244168	D	
391	20 GAM	HER	16 19 42.737	+19 16 09.32		+0.0053	-0.031	3.760	1	5.330	1	7.250	1	K5III		102107	DV?	
392	39 OMI	SGR	19 01 41.245	-21 48 59.52		-0.0033	+0.042	3.760	1	4.030	1	4.220	1	A9III		187643	D	
393	41 NU	PER	03 41 47.281	+42 25 20.61		+0.0057	-0.060	3.770	1	4.770	1	5.630	1	G68		39078	DV?	
394	BET	VOL	08 23 11.955	-65 58 11.00		-0.0012	+0.000	3.770	1	4.190	1	4.510	1	F5II		250228	V?	
395	2 EPS	AQR	20 44 58.218	-09 40 48.21		-0.0052	-0.161	3.770	1	4.900	1	6.030	1	K2III		144810		
396	9 ALP	DEL	20 37 18.874	+15 44 04.30		+0.0022	-0.032	3.770	1	3.770	1	3.790	1	A1V		106357	DV?	
397	7 ALP	LAC	22 29 13.558	+50 01 29.96		+0.0045	-0.000	3.770	1	3.710	1	3.500	1	B9V		74542	D	
398	GAM- 2	VOL	07 09 10.804	-70 25 04.75		+0.0140	+0.023	3.770	1	3.780	1	3.780	1	A2V		256374	DV?	
399	-U	CAR	10 51 27.397	-58 35 14.24		+0.0052	+0.102	3.778	1	4.688	1	5.298	1	G8III		238574	V?	
400	30 ZET	BOO	14 38 45.540	+13 56 30.48		+0.0088	+0.027	3.780	1	4.430	1	5.380	1	K0III-IV		101145	D	
						+0.0036	-0.020	3.780	1	3.830	1	3.880	1	A2III+A2I				164

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

ORIGINAL PAGE 15

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR C.T. NO.	STAR PROP.	C N	
401	53 X1	UMA	11 15 31.162	+31 48 38.88	C	-0.0339	-0.591	3.790	1	4.380	1	4.430	1	G0V+G0V		62484	"	
402	42 MU	HYA	10 23 40.213	-16 34 49.56		-0.0092	-0.083	3.790	1	5.270	1	7.090	1	K4III		155980		
403	60 IOT	GEM	07 22 37.375	+27 53 57.17		-0.0091	-0.088	3.790	1	4.830	1	5.670	1	K0III		79374		
404	15 ETA	PER	02 47 01.935	+55 41 22.43		+0.0023	-0.011	3.790	1	5.480	1	7.380	1	K3IR		23655	"	
405	73 LAM	AQR	22 50 00.375	-07 50 46.15		+0.0005	+0.039	3.790	1	5.440	1	7.200	1	M2III		146362	V?	
406	10 IOT	CYG	19 28 26.674	+51 37 20.98		+0.0019	+0.130	3.790	1	3.930	1	4.040	1	A5V		31702		
407	85 IOT	HER	17 38 03.064	+46 01 55.27		-0.0010	+0.004	3.800	1	3.620	1	2.930	1	B3V		46872	V?	
408	31 OMI- 1	CYG	20 12 03.343	+46 35 19.87		+0.0000	+0.005	3.800	1	5.080	1	5.500	1	CK1P		49337	OV	
409	48 SIG- 1	ORI	05 30 14.048	-02 37 38.49		-0.0002	+0.001	3.800	1	3.560	1	2.550	1	O9.5V		132406	"	
410	27 KAP	PER	03 00 06.756	+44 40 10.21		+0.0167	-0.153	3.810	1	4.790	1	5.620	1	K0III		38609	OV?	
411	29 UPS	UMA	09 47 27.102	+59 16 30.31		-0.0382	-0.156	3.810	1	4.100	1	4.190	1	F2IV		27401	OV	
412	30	LYN	09 15 44.343	+37 00 55.56		-0.0025	-0.127	3.820	1	3.880	1	3.930	1	A3V		61391	"	
413	-S	CAR	10 20 02.328	-58 29 01.15		-0.0018	-0.006	3.820	1	4.130	1	4.360	1	F0III		238085	V?	
414	ALP	APS	14 41 32.993	-78 50 05.62		-0.0009	-0.018	3.820	1	5.260	1	6.920	1	K5III		257103		
415	52 UPS- 2	ERI	04 33 36.315	-30 39 48.98		-0.0037	-0.012	3.820	1	4.800	1	5.520	1	K0III		195148		
416	113 ALP	PSC	01 59 27.392	+02 31 23.04		+0.0020	+0.000	3.82	2	3.84	2	3.75	2	A M-AP		110201	OV?	
417	28 OME	CMA	07 12 46.891	-26 41 05.01		-0.0009	+0.004	3.820	1	3.640	1	2.900	1	B3IVF		173282	V	
418	03 EPS	DRA	19 48 21.063	+70 08 26.54		+0.0154	+0.039	3.820	1	4.710	1	5.230	1	G8III		9540	OV?	
419	16 LAM	AND	23 35 06.520	+46 11 13.82		+0.0154	-0.416	3.820	1	4.840	1	5.540	1	G8III-IV		53204	V	
420	-B	VEL	08 38 57.963	-46 28 12.11		-0.0004	+0.002	3.830	1	4.530	1	4.810	1	F2IA		220265	"	
421	77 THE- 1	TAU	04 25 42.882	+15 51 10.15		+0.0071	-0.026	3.830	1	4.780	1	5.500	1	K0III		23955		
422	38 OMI	PER	03 41 10.598	+32 07 53.47	L	+0.0006	-0.009	3.830	1	3.88	1	3.130	1	B1III		56673	OV	
423	PHI	CEN	13 55 13.278	-41 51 26.57		-0.0023	-0.025	3.830	1	3.620	1	2.790	1	B2IV		224577	V?	
424	46 OMI	LMI	10 50 31.231	+34 29 05.62		+0.0069	-0.283	3.830	1	4.870	1	5.790	1	K0III-IV		62297		
425	103 OMI	HER	18 05 35.418	+28 45 15.79		-0.0001	+0.010	3.830	1	3.810	1	3.740	1	B9V		85750	V	
426	ALP	SCT	18 32 29.108	-08 16 50.47		-0.0013	-0.312	3.830	1	5.170	1	6.700	1	K3III		142408	V?	
427	7 DEL	SGE	19 45 09.429	+18 24 34.68		+0.0005	+0.010	3.830	1	5.240	1	6.200	1	M2II?+B?		105259	V?	
428	10 LAM	OPH	16 28 23.341	+02 05 31.06	C	-0.0020	-0.075	3.830	1	3.840	1	3.860	1	A1V		121688	D	
429	109	HER	18 21 33.942	+21 44 44.35		+0.0139	-0.244	3.840	1	5.020	1	6.180	1	K2III		86003	V?	
430	-P	VEL	10 35 11.696	-47 57 55.69		-0.0158	-0.020	3.840	1	4.140	1	4.210	1	F2+A3		222199	D	
431	-C	CAR	08 53 54.921	-60 27 11.05		-0.0032	+0.037	3.840	1	3.740	1	3.290	1	B8II		250374	"	
432	48 GAM	AQR	22 19 04.420	-01 38 23.77		+0.0086	+0.012	3.840	1	3.780	1	3.650	1	B9III		146044	OV?	
433	-Q	VEL	10 12 37.998	-41 52 25.23		-0.0134	+0.038	3.850	1	3.900	1	3.980	1	A2V		221895		
434	47 RHO	LEO	10 30 10.762	+09 33 52.22		-0.0006	-0.006	3.850	1	3.710	1	2.760	1	B1IR		118355	V?	
435	1 LAM	DRA	11 28 27.546	+69 36 26.09		-0.0074	-0.020	3.850	1	5.470	1	7.440	1	M0III		15532	V?	
436	79 ZET- 2	UMA	13 21 55.808	+55 10 56.63		+0.0134	-0.033	3.850	1	3.870	1	3.900	1	A M		28738	OV?	159
437	13 MU	SGR	18 10 46.324	-21 04 25.46		+0.0002	+0.001	3.850	1	4.070	1	3.600	1	B8IAP		186497	OV	
438	DEL	TRA	16 10 52.116	-63 33 37.10		+0.0015	-0.014	3.850	1	4.960	1	5.830	1	G2II		253474	D	
439	8 GAM	CRB	15 40 38.464	+26 27 10.37		-0.0079	+0.043	3.850	1	3.840	1	3.800	1	A0IV		83958	OV	
440	BET	RET	03 43 33.963	-64 57 50.21		+0.0495	+0.078	3.850	1	4.985	1	6.095	1	K0IV		248877		
441	ALP	FOR	03 09 56.750	-29 10 59.42		+0.0254	+0.644	3.850	1	4.360	1	4.410	1	F8IV		168373	OV?	
442	15 DEL	LEP	05 49 10.193	-20 52 55.23		+0.0160	-0.650	3.850	1	4.830	1	5.540	1	G8III		170926		
443	DEL	COL	06 20 17.078	-33 24 36.07		-0.0024	-0.056	3.850	1	4.730	1	5.250	1	GG4		196735		
444	BET	PIC	05 46 05.935	-51 05 01.75		+0.0005	+0.087	3.855	1	4.025	1	4.135	1	A3V		234134		
445	ALP	HOR	04 12 20.591	-42 25 00.31		+0.0036	-0.208	3.860	1	4.960	1	5.970	1	K1III		216710		
446	5 RHO	SCO	15 53 47.507	-29 04 10.42		-0.0006	-0.021	3.860	1	3.660	1	2.840	1	B2V		183957	D	
447	41 GAM	SCP	15 54 08.455	+15 49 24.77		+0.0212	-1.285	3.860	1	4.340	1	4.310	1	F6IV-V		101826		
448	GAM	MUS	12 29 27.195	-71 51 25.17		-0.0102	-0.009	3.860	1	3.710	1	3.100	1	B5V		256955		
449	TAU	CEN	12 34 57.448	-48 15 58.29		-0.0186	-0.008	3.860	1	3.910	1	3.940	1	A2V		223560		
450	UPS- 1	CEN	13 55 34.794	-44 33 37.41		-0.0024	-0.024	3.870	1	3.670	1	2.870	1	B2V		224585		

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
451	91 THE	HER	17 54 32.183	+37 15 21.68	+0.0001	+0.006	3.870	1	5.220	1	6.680	1	K1II		66485	V?	
452	20	TAU	03 42 50.756	+24 12 47.01	+0.0015	-0.043	3.870	1	3.800	1	3.400	1	7III		76155	V?	
453	3 ETA	ERI	02 53 58.952	-09 05 45.89	+0.0050	-0.217	3.870	1	4.990	1	5.970	1	K1III		130107	V?	
454	37 MU	AND	00 53 58.160	+38 13 42.99	+0.0129	+0.037	3.870	1	3.490	1	4.140	1	A5V		54281	D	
455	53 -L	ERI	04 35 53.315	-14 24 01.60	-0.0055	-0.161	3.870	1	4.960	1	5.990	1	K2III		140781	V?	
456	EPS	COL	05 29 26.164	-35 30 22.02	+0.0020	-0.036	3.870	1	5.010	1	6.070	1	GK1		195924		97
457	KAP- 1	LUP	15 08 26.767	-48 32 57.11	-0.0097	-0.049	3.874	2	3.844	2	3.724	2	B9V		225525	D	
458	GAM	APS	16 25 42.782	-78 47 20.30	-0.0404	-0.069	3.880	1	4.790	1	5.410	1	K0IV		257407		
459	EPS	PHE	00 06 52.775	-46 01 23.71	+0.0124	-0.177	3.880	1	4.910	1	5.750	1	K0III		214983		
460	-D	CEN	13 28 08.129	-39 08 59.17	-0.0012	-0.019	3.880	1	5.040	1	6.080	1	G8III		204545	D	
461	107 MU	VIR	14 40 25.283	-05 26 30.92	+0.0070	-0.321	3.880	1	4.260	1	4.250	1	F3IV		140090		
462	24 MU	LEO	09 49 55.434	+26 14 36.08	-0.0160	-0.060	3.880	1	5.100	1	6.500	1	K2III		A1064	DV?	
463	22 THE	HYA	09 11 45.818	+02 31 34.63	+0.0086	-0.313	3.880	1	3.810	1	3.690	1	B9.5VP		117527	D	
464	PI	CEN	11 18 43.151	-54 13 00.27	-0.0035	-0.006	3.890	1	3.735	1	3.145	1	B5VN		238986	V?	
465	5 KAP	DRA	12 31 21.550	+70 03 48.95	-0.0116	+0.009	3.890	1	3.750	1	3.180	1	B7P		7593		
466	37	VIR	12 49 04.062	+03 19 41.53	-0.0025	+0.016	3.89	2	3.75	2	3.18	2	GK4		119633	D	97
467	PI	LUP	15 01 42.170	-46 51 24.82	-0.0019	-0.021	3.89	2	3.75	2	3.17	2	B5IV+B5IV		225426	DV?	
468	22 TAU	HER	16 18 14.106	+46 25 53.60	-0.0016	+0.037	3.900	1	3.750	1	3.180	1	B5IV		46028	DV?	
469	KAP	PAV	18 51 48.301	-67 17 57.08	+0.0000	+0.013	3.90		4.500				F5P		254413	V	
470	15 ETA	VIR	12 17 20.761	-00 23 20.65	-0.0043	-0.022	3.900	1	3.920	1	3.990	1	A2V		138721	V?	
471	30	MON	08 23 09.718	-03 44 31.46	-0.0047	-0.027	3.900	1	3.880	1	3.850	1	A0V		135896		100
472	10T	GRU	23 07 32.182	-45 31 04.35	+0.0130	-0.021	3.900	1	4.920	1	5.780	1	K0III		231468		
473	8 ALP	EQU	21 13 19.440	+05 02 24.35	+0.0038	-0.084	3.900	1	4.420	1	4.720	1	F8+A3		126662		
474	-A	VEL	08 44 19.888	-45 51 28.35	-0.0007	-0.002	3.910	1	3.910	1	3.860	1	A0III		220422		
475	36 NU	TAU	04 00 29.584	+05 51 07.47	+0.0001	-0.000	3.910	1	3.940	1	4.000	1	A1V		111579		
476	SIG	CEN	12 25 19.525	-49 57 14.18	-0.0029	-0.022	3.910	1	3.720	1	2.950	1	B2V		223454		
477	-X	CAR	11 06 26.766	-58 42 13.82	-0.0009	-0.002	3.910	1	5.150	1	6.090	1	G0IA-0		238813	V?	
478	35 IOT	HYA	09 37 18.152	-00 54 53.79	+0.0031	-0.069	3.910	1	5.230	1	6.680	1	K3III		137035	D	
479	38 GAM	LIB	15 32 43.474	-14 37 27.13	+0.0043	+0.003	3.910	1	4.930	1	5.670	1	G8III-IV		159370		
480	58 EPS	HER	16 58 22.471	+30 59 55.92	-0.0038	+0.028	3.920	1	3.910	1	3.800	1	A0V		65716	V	
481	48 NU	ERI	04 33 49.094	-03 27 11.62	-0.0001	-0.003	3.920	1	3.710	1	2.830	1	B2III		131346	V	
482	16 OMI- 1	CMA	06 52 03.362	-24 07 12.87	-0.0009	+0.011	3.92	2	5.63	2	7.63	2	K3IAB		172542		
483	7 NU - 2	CMA	06 34 30.105	-19 12 43.33	+0.0040	-0.077	3.920	1	4.970	1	5.960	1	K1IV		151702		
484	26 ALP	MON	07 38 51.466	-09 25 59.53	-0.0052	-0.024	3.930	1	4.950	1	5.830	1	K0III		134986		
485	44 RHO- 1	SGR	19 18 46.401	-17 56 34.67	-0.0018	+0.024	3.930	1	4.150	1	4.290	1	F0IV		162512	DV?	
486	21 ETA	CYG	19 54 25.726	+34 56 58.23	-0.0027	-0.026	3.930	1	4.960	1	5.840	1	K0III		69116		
487	58 NU	CYG	20 55 18.418	+40 58 25.85	+0.0007	-0.012	3.940	1	3.960	1	3.960	1	A0V		50274		
488	47 LAM	PEG	22 44 07.173	+23 18 07.41	+0.0042	-0.006	3.940	1	5.020	1	5.930	1	G8II-III		90775		
489	ZET	VOL	07 42 26.985	-72 29 10.68	+0.0068	+0.016	3.940	1	4.980	1	5.820	1	K0III		256438	D	
490	47 DEL	CNC	08 41 50.747	+18 20 21.83	-0.0012	-0.233	3.940	1	5.020	1	6.010	1	K0III		98087		
491	KAP	PHE	00 23 44.906	-43 57 25.67	+0.0098	+0.035	3.940	1	4.110	1	4.210	1	A7VN		215092		
492	78 IOT	LEO	11 21 19.130	+10 48 17.56	+0.0113	-0.079	3.940	1	4.350	1	4.420	1	F2IV		99587	DV?	
493	DEL	PHE	01 29 10.327	-49 19 55.19	+0.0140	+0.159	3.950	1	4.940	1	5.640	1	K0III-IV		215546		
494	18 TAU	PER	02 50 41.856	+52 33 33.90	+0.0000	-0.001	3.950	1	4.700	1	5.160	1	G5III+A5		23685	DV?	
495	3	PJP	07 41 47.957	-28 50 03.19	-0.0008	-0.005	3.950	1	4.130	1	4.080	1	A3IIEP		174400		
496	13 KAP	CMA	06 47 58.322	-32 26 58.66	-0.0009	+0.002	3.950	1	3.720	1	2.790	1	B2VE		197258		
497	5 CHI	LUP	15 47 46.468	-33 28 35.36	-0.0007	-0.032	3.950	1	3.910	1	3.770	1	A P		207040		
498	9 OME- 1	SCO	16 03 52.659	-20 32 07.11	-0.0007	-0.024	3.955	1	3.912	1	3.092	1	B1V		104123		
499	5 GAM	MON	06 12 24.938	-06 15 28.70	-0.0006	-0.019	3.960	1	5.270	1	6.690	1	K3III		133012	D	
500	ETA	COL	05 57 36.885	-42 49 01.39	+0.0014	-0.016	3.960	1	5.100	1	6.180	1	K0III		217650		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PV	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	N
501	43 UPS- 3 ERI	04 22 09.409	-34 07 54.81		+0.0050	+0.051	3.960	1	5.450	1	7.250	1	M1III		104984		
502	ZET PHE	01 06 17.251	-55 30 45.72		+0.0024	+0.031	3.960	1	3.860	1	4.270	1	B6V		232306	UV	
503	RHO CEN	12 09 01.684	-52 05 24.55		-0.0038	-0.019	3.960	1	3.810	1	4.200	1	B4V		239737		
504	EPS PAV	19 54 50.758	-73 02 43.83		+0.0188	-0.131	3.960	1	3.920	1	3.860	1	A0V		257757	UV	
505	DEL- 1 GRU	22 26 17.342	-43 45 06.41		+0.0026	-0.003	3.970	1	5.000	1	5.810	1	G65		231154	V?	
506	10 UYA	08 57 24.075	+41 58 55.79		-0.0394	-0.253	3.970	1	4.400	1	4.460	1	F5V		42642		157
507	-1 CAR	09 10 08.631	-62 06 40.95		-0.0059	+0.006	3.970	1	3.785	1	3.120	1	B3IV		250471		
508	32 NU AUR	05 46 01.346	+39 08 09.7		-0.0004	+0.007	3.970	1	5.110	1	6.200	1	K0III		58502		
509	ALP SGR	19 20 25.492	-40 42 43.10		+0.0026	-0.121	3.97	2	3.87	2	3.54	2	B9III		229650		
510	67 OPH	17 58 08.348	+02 55 56.61		-0.0001	-0.010	3.970	1	3.990	1	3.340	1	B5IB		123013		
511	DEL VOL	07 10 51.559	-67 51 56.77		-0.0011	-0.004	3.980	1	4.850	1	5.210	1	FRII		240809		
512	BET PYX	08 38 08.645	-35 07 47.40		+0.0012	-0.018	3.980	1	4.910	1	5.560	1	G4III		104000		
513	50 CAS	01 59 07.151	+72 10 50.83		-0.0092	+0.029	3.980	1	3.970	1	4.010	1	A1V		4560		
514	71 TAU- 2 AQR	22 46 56.751	-13 51 25.17		-0.0010	-0.033	3.980	1	5.570	1	7.510	1	M0III		165321	V?	
515	98 -B- 1 AJR	23 26 26.779	-20 22 25.51		-0.0087	-0.090	3.980	1	5.080	1	6.030	1	K0III		191858		
516	32 OMI- 2 CYG	20 13 55.487	+47 33 35.68		-0.0003	+0.010	3.980	1	5.500	1	6.540	1	K0+A3		40385	DV	
517	GAM TUC	23 14 31.468	-58 30 36.44		-0.0032	+0.089	3.990	1	4.390	1	4.360	1	F0III		247814		
518	62 ETA AQR	22 32 47.203	-00 22 32.77		+0.0059	-0.051	4.000	1	3.900	1	3.620	1	B8V		146181		
519	13 R LYR	18 53 48.728	+43 52 45.51		+0.0019	+0.084	4.000	1	5.590	1	7.000	1	M5III		47919	V	
520	14 NU - 1 SCO	16 09 03.949	-19 19 17.45	L	-0.0008	-0.012	4.00	2	4.05	2	3.43	2	A0IV		150763		
521	1 CAR	10 23 24.484	-73 46 36.88		-0.0044	-0.031	4.000	1	4.350	1	4.340	1	F3IV-V		256710	V?	
522	-B CEN	14 38 50.701	-37 34 48.53		-0.0020	-0.036	4.000	1	3.830	1	3.140	1	B3V		205839		
523	ALP VOL	09 01 39.796	-66 11 46.16		+0.0007	-0.102	4.005	1	4.155	1	4.295	1	A5V		250422		
524	BET- 1A SGR	19 19 02.816	-44 33 17.72		+0.0006	-0.018	4.009	2	3.929	2	3.609	2	B8V		229646	D	134
525	14 NU - 2 SCO	16 09 05.091	-19 19 56.20	L	-0.0008	-0.026	4.010	1	4.040	1	3.400	1	B2IV-V		159764	D	
526	26 OME PSC	23 56 44.493	+06 35 11.41		+0.0102	-0.109	4.010	1	4.430	1	4.500	1	F4IV		128513		
527	59 UPS CET	01 57 38.911	-21 19 09.71		+0.0094	-0.020	4.010	1	5.570	1	7.460	1	M1III		167471		
528	9 GAM TRI	02 14 20.011	+33 37 01.46		+0.0037	-0.046	4.010	1	4.030	1	4.050	1	A0V		55427		
529	GAM PYX	08 48 24.519	-27 31 24.55		-0.0100	+0.082	4.01	2	5.27	2	6.67	2	K4III		176559		
530	ZET PAV	16 37 12.297	-71 28 28.15		+0.0016	-0.158	4.015	1	5.150	1	6.165	1	K2III		257620	D	
531	15 EPS AQL	18 57 21.119	+14 59 56.41		-0.0036	-0.073	4.020	1	5.100	1	6.140	1	K2III		104318		
532	12 -I AQL	18 59 00.591	-05 48 39.65		-0.0015	-0.033	4.020	1	5.110	1	6.150	1	K1III		142931	V?	
533	GAM- 2 NGR	16 16 05.341	-50 02 05.68		-0.0162	-0.055	4.02	2	5.10	2	6.27	2	G8III		243643	D	
534	57 MU ERI	04 42 59.993	-03 20 41.33		+0.0007	-0.011	4.020	1	3.860	1	3.260	1	B5IV		131468		
535	41 CYG	20 27 21.052	+30 12 02.35		+0.0004	+0.002	4.020	1	4.420	1	4.720	1	F5II		70095		
536	73 RHO CYG	21 32 05.828	+45 22 12.30		-0.0025	-0.091	4.020	1	4.910	1	5.470	1	G8III		51035		
537	80 -G UMA	13 23 13.477	+55 14 52.98		+0.0134	-0.021	4.020	1	4.180	1	4.260	1	A5V		28751	V?	
538	1 ALP CRV	12 05 49.746	-24 27 00.13		+0.0062	-0.045	4.02	2	4.34	2	4.32	2	F2V		180505		
539	MU - 1 CRU	12 51 38.394	-56 54 24.00		-0.0036	-0.010	4.030	1	3.860	1	3.110	1	B3IV		240366	D	
540	16 BET CAM	04 58 57.617	+60 22 18.61		-0.0005	-0.014	4.030	1	4.960	1	5.590	1	G0IB		13351	D	
541	48 MX PER	04 05 01.311	+47 34 51.77		+0.0021	-0.028	4.030	1	4.000	1	3.450	1	B3V		39336	V	
542	13 THE DRA	16 00 56.829	+58 41 53.68		-0.0417	+0.336	4.030	1	4.550	1	4.650	1	FAIV-V		29765		
543	70 -P OPH	18 02 55.608	+02 30 34.62	C	+0.0172	-1.094	4.030	1	4.890	1	5.400	1	K0V		123107	D	
544	46 XI PER	03 55 42.825	+35 38 56.50		+0.0003	+0.001	4.040	1	4.060	1	3.130	1	O7		56856	V?	
545	ZET CRU	12 15 42.632	-63 43 30.91		-0.0067	-0.016	4.040	1	3.870	1	3.190	1	B3IV		251841	D	
546	3 NU VIR	11 43 17.340	+06 48 34.72		-0.0014	-0.187	4.040	1	5.540	1	7.320	1	M1III		119035		
547	2 EPS DEL	20 30 49.400	+11 07 55.83		+0.0007	-0.018	4.040	1	3.920	1	3.440	1	B6III		106230	V?	
548	-C- 1 CEN	14 40 35.437	-34 57 34.58		-0.0054	-0.187	4.05	2	5.40	2	6.93	2	K5III		205871		
549	PSI CEN	14 17 30.393	-37 39 23.06		-0.0057	-0.016	4.05	2	4.02	2	3.91	2	A0IV		205453	D	
550	RHO LUP	14 34 30.605	-49 12 32.68		-0.0031	-0.022	4.05	2	3.90	2	3.34	2	B5V		225071		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	S N
551	77 SIG	LEO	11 18 33.490	+06 18 13.06	-0.0064	-0.015	4.050	1	3.990	1	3.860	1	B9V		118870		
552	38 OMI- 1	ERI	04 09 25.339	-06 57 59.74	+0.0003	+0.083	4.050	1	4.380	1	4.530	1	F2III		111010		
553	IOT	PER	03 05 26.709	+49 25 26.63	+0.1295	-0.078	4.050	1	4.650	1	4.760	1	G0V		12507		
554	LAM	LUP	15 05 27.871	-45 05 19.99	-0.0015	-0.022	4.050	1	3.870	1	3.190	1	B3V		225483		
555	EPS- 1	ARA	16 55 35.463	-53 05 09.07	+0.0008	+0.015	4.06	2	5.51	2	7.22	2	K3III		244331		
556	82 DEL	CET	02 36 54.985	+00 06 50.00	+0.0006	+0.001	4.06	2	3.85	2	2.97	2	B2IV		110645	V	
557	PHI	PER	01 40 30.757	+50 26 15.92	+0.0027	-0.011	4.06	2	4.02	2	3.10	2	B1III-V?PE		22554	V	
558	34 ZET	AND	00 44 40.968	+23 59 43.95	-0.0073	-0.078	4.06	2	5.18	2	6.05	2	K1II		74267	DV	
559	9 OMI- 2	ORI	04 53 33.423	+13 26 13.64	-0.0051	-0.046	4.06	2	5.21	2	6.31	2	K2III		94218	D	
560	69 UPS	GEM	07 32 50.603	+27 00 30.99	-0.0025	-0.109	4.06	2	5.60	2	7.54	2	M0III		79533		
561	23 THE	BOO	14 23 29.610	+52 04 52.32	-0.0262	-0.400	4.06	2	4.56	2	4.57	2	F7V		29137	V?	
562	5 UPS	BOO	13 47 03.866	+16 02 42.66	-0.0066	+0.037	4.07	2	5.59	2	7.46	2	K5III		100725		
563	7 ALP	CKT	10 57 20.138	-18 01 55.62	-0.0326	+0.124	4.07	2	5.16	2	6.14	2	K0III		156375		
564	-D	VEL	08 42 36.707	-42 28 02.22	-0.0017	+0.016	4.07	2	4.94	2	5.46	2	GG5		220371		
565	ALP	CHA	08 19 51.079	-76 45 44.05	+0.0328	+0.108	4.070	1	4.460	1	4.440	1	F6IV		256496		
566	BET	CIR	15 13 34.881	-58 36 58.46	-0.0122	-0.140	4.07	2	4.16	2	4.25	2	A3V		242384		
567	63 THE- 1	SCA	18 53 43.976	+04 08 13.25	+0.0031	+0.032	4.07	2	4.24	2	4.33	2	A5V		124068	DV?	
568	23 THE	CAP	21 03 08.318	-17 25 57.78	+0.0058	-0.056	4.07	2	4.06	2	4.07	2	A0V		164132		
569	14 THE	CMA	06 51 51.951	-11 58 28.64	-0.0098	-0.017	4.08	2	5.51	2	7.20	2	K4III		152071		
570	15 GAM	CRT	11 22 22.850	-17 24 32.96	-0.0072	-0.001	4.08	2	4.29	2	4.39	2	A7IV		156661	D	
571	-H	CAR	09 32 59.588	-59 00 21.72	-0.0015	+0.012	4.085	1	4.090	1	3.535	1	B5II		237117		
572	99 IOT	VIR	14 13 23.345	-05 45 46.18	-0.0006	-0.432	4.09	2	4.60	2	4.63	2	F7IV		139824	V?	
573	40 PHI- 2	ORI	05 34 09.415	+09 15 54.81	+0.0061	-0.304	4.09	2	5.04	2	5.70	2	G8IIIP		112958		
574	DEL	HYI	02 20 51.202	-68 53 11.84	-0.0079	+0.008	4.09	2	4.12	2	4.17	2	A2V		248545		
575	11 TAU- 3	EQI	03 00 11.170	-23 49 10.10	-0.0107	-0.051	4.090	1	4.250	1	4.330	1	A5V		168249		
576	1	PLG	21 19 46.347	+19 35 22.77	+0.0074	+0.066	4.09	2	5.20	2	6.25	2	K1III		107073		
577	35 KAP	SCP	15 46 29.216	+18 17 41.17	-0.0035	-0.091	4.09	2	5.71	2	7.66	2	G4I		101752		
578	5 -F	TAU	03 28 06.502	+12 46 00.30	+0.0013	+0.002	4.10	2	5.23	2	6.25	2	K0II-III		93469		
579	50 UPS	AND	01 33 51.142	+41 09 22.13	-0.0153	-0.379	4.10	2	4.64	2	4.70	2	F8V		17362		
580	P	PUP	07 47 42.846	-46 14 47.17	-0.0006	+0.005	4.11	2	3.93	2	2.92	2	B0.5III		219035	D	
581	IOT	ERI	02 38 41.625	-40 04 06.78	+0.0117	-0.025	4.110	1	5.130	1	5.870	1	K0III		215999		
582	EPS	HYI	02 38 48.796	-68 28 50.94	+0.0171	+0.009	4.11	2	4.05	2	3.91	2	B9III		248621		
583	EPS	TRA	15 32 07.105	-66 09 04.08	+0.0048	-0.065	4.11	2	5.28	2	6.44	2	K0III		253226	D	
584	ALP	CRA	19 06 04.345	-37 59 03.49	+0.0071	-0.099	4.110	1	4.150	1	4.240	1	A2		210990		
585	BET	CRA	19 06 35.486	-39 25 19.53	+0.0002	-0.037	4.110	1	5.310	1	6.380	1	GG3		211005		
586	DEL- 2	GRU	22 26 46.699	-44 00 20.85	-0.0007	+0.005	4.110	1	5.680	1	7.380	1	GM6		231161	DV?	
587	ZET	GRU	22 57 56.340	-53 01 21.83	-0.0069	-0.008	4.110	1	5.070	1	5.780	1	G5III		247680		
588	39 UPS- 1	HYA	09 49 04.309	-14 36 40.49	+0.0011	-0.031	4.11	2	5.03	2	5.68	2	G8III		155542		
589	GAM	CHA	10 34 53.647	-78 20 53.72	-0.0130	+0.016	4.110	1	5.690	1	7.630	1	M0III		256731		
590	9 OMI	VIR	12 02 39.704	+09 00 38.34	-0.0149	+0.043	4.12	2	5.11	2	5.75	2	G8III		119213		
591	10 KAP	PEG	21 42 22.712	+25 24 51.97	+0.0025	+0.015	4.12	2	4.56	2	4.59	2	F5IV		89949	D	
592	18 OME	CAP	20 48 50.460	-27 06 27.20	-0.0004	+0.000	4.120	1	5.750	1	7.660	1	K5III		149781		
593	23 GAM	CMA	07 01 29.713	-15 33 28.79	-0.0004	-0.009	4.12	2	4.01	2	3.53	2	B8II		152303		
594	29 -E	ORI	05 21 32.197	-07 51 09.07	-0.0014	-0.044	4.12	2	5.08	2	5.78	2	G8III		132067		
595	IOT	SGR	19 51 48.997	-42 00 05.48	+0.0013	+0.056	4.125	1	5.210	1	6.025	1	K0III		229927		
596	ZET	TEL	18 24 58.826	-49 06 00.58	+0.0147	-0.241	4.125	1	5.140	1	5.955	1	GK0		229047		
597	4 THE	CRB	15 30 54.696	+31 31 36.47	-0.0017	-0.015	4.13	2	4.00	2	3.45	2	B7NN		64769		
598	61 MU	ORI	05 59 37.869	+09 38 56.64	+0.0009	-0.028	4.13	2	4.29	2	4.40	2	A M		113389	DV?	
599	13 THE	PER	02 40 46.276	+49 01 06.44	+0.0342	-0.083	4.13	2	4.62	2	4.62	2	F7V		38288	D	
600	16 PSI	CAP	20 43 08.301	-25 27 07.14	-0.0036	-0.156	4.130	1	4.560	1	4.600	1	F5V		189664		

TABLE 5 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
601	1 LAC	22 13 47.175	+37 29 57.05		+0.0009	+0.008	4.13	2	5.59	2	7.21	2	K3II-III		72191		
602	17 IOT PSC	23 37 22.603	+05 21 18.60		+0.0251	-0.432	4.13	2	4.64	2	4.64	2	F7V		128310		24
603	48 IOT-1A CNC	08 43 40.514	+28 56 39.19		-0.0018	-0.045	4.132	2	5.162	2	5.942	2	G8II		80416	D	
604	-E VEL	08 35 53.068	-42 48 47.89		-0.0011	+0.005	4.14	2	4.24	2	4.37	2	A9II		220204		
605	18 NU GEM	06 25 59.627	+20 14 44.06		-0.0004	-0.017	4.14	2	4.00	2	3.51	2	B7IVE		78423	D	
606	19 KAP AND	23 37 56.259	+44 03 25.16		+0.0075	-0.015	4.14	2	4.06	2	3.82	2	B8V		53264	D	
607	43 THE AQR	22 14 11.766	-08 01 58.75		+0.0079	-0.019	4.15	2	5.14	2	5.94	2	G8III-IV		145901		
608	BET OCT	22 41 04.412	-81 38 41.05		-0.0284	+0.006	4.15	2	4.35	2	4.46	2	DA9		258941		
609	1 GEM	06 01 04.774	+23 16 04.51		-0.0004	-0.102	4.15	2	5.02	2	5.54	2	G65		77915		
610	22 DEL MON	07 09 18.620	-00 24 30.42		-0.0003	+0.005	4.15	2	4.15	2	4.19	2	A0IV		134330		
611	51 MU PER	04 11 13.008	+48 17 33.73		+0.0006	-0.016	4.15	2	5.10	2	5.74	2	G0IB		39404	DV?	
612	13 EPS CRB	15 55 30.926	+27 01 17.43		-0.0058	-0.063	4.15	2	5.38	2	6.66	2	K3III		84098	D	
613	ETA CRU	12 04 15.481	-64 20 05.32		+0.0052	-0.039	4.15	2	4.49	2	4.52	2	F0III		251742		
614	EPS MUS	12 14 51.002	-67 40 57.38		-0.0417	-0.031	4.16	2	5.74	7	7.35	7	M5III	7	251830	V	
615	46 THE LIB	15 50 58.435	-16 35 02.80		+0.0068	+0.129	4.16	2	5.17	2	5.99	2	K0III-IV		159563		
616	44 -B OPH	17 23 18.832	-24 07 52.05		+0.0000	-0.116	4.16	2	4.44	2	4.56	2	DA9		185401	V?	
617	H SCO	16 33 04.723	-35 09 16.05		+0.0018	-0.002	4.16	2	5.73	2	7.67	2	GK6		207814	V?	
618	15 KAP CAS	00 30 08.341	+62 39 22.13		+0.0002	+0.003	4.16	2	4.30	2	3.50	2	B1IA		11256	V?	
619	18 EPS PSA	22 37 53.638	-27 18 17.76		+0.0022	+0.005	4.160	1	4.040	1	3.700	1	B8VE		191318		
620	MU CEP	21 41 58.501	+58 33 00.64		-0.0000	+0.001	4.17	2	6.43	2	8.88	2	M2IA		33693	DV	
621	-G ERI	03 47 34.895	-36 21 02.40		-0.0043	-0.049	4.170	1	5.120	1	5.800	1	G5III		194550		
622	4 DEL HYA	08 35 00.594	+05 52 45.60		-0.0045	-0.012	4.17	2	4.17	2	4.19	2	A0V		116965		
623	XI -1 SCO	16 01 36.889	-11 14 12.28	L	-0.0043	-0.033	4.17	2	4.64	2	4.65	2	F5IV+F5IV		159665	D	140
624	62 RHO GEM	07 25 53.849	+31 53 08.32		+0.0118	+0.171	4.18	2	4.50	2	4.48	2	F0V		60118	D	
625	23 TAU	03 43 21.195	+23 47 38.99		-0.0016	-0.042	4.18	2	4.12	2	3.70	2	B6IV		76172		
626	19 LAM BOO	14 14 28.969	+46 19 01.93		-0.0183	+0.158	4.18	2	4.26	2	4.31	2	A0P		44965	V?	
627	13 DEL-2 SCP	15 32 24.681	+10 42 17.82		-0.0051	+0.010	4.184	1	4.444	1	4.564	1	F0IV		101624	DV	147
628	110 HER	18 43 30.511	+20 29 49.72		-0.0008	-0.334	4.19	2	4.65	2	4.67	2	F6V		86406	D	
629	2 -G CEN	13 46 32.422	-34 12 06.71		-0.0035	-0.061	4.19	2	5.69	2	7.15	2	GM6		204875		
630	23 EPS CEP	22 13 11.199	+56 47 37.39		+0.0541	+0.051	4.19	2	4.47	2	4.51	2	F0IV		34227	V	
631	46 XI PEG	22 44 11.582	+11 54 57.24		-0.0159	-0.493	4.19	2	4.69	2	4.67	2	F7V		108165		
632	LAM PAV	18 47 35.414	-62 14 51.43		+0.0000	-0.018	4.200	1	4.060	1	3.170	1	B1VE		254393	DV	
633	3 X SGR	17 44 24.664	-27 48 49.14		+0.0001	-0.009	4.20	2	4.900				F8		185755	V	
634	35 SIG HER	16 32 29.324	+42 32 21.08		-0.0013	+0.044	4.20	2	4.19	2	4.09	2	B9V		46161	V?	
635	11 -E-2 PUP	07 54 42.490	-22 44 43.84		-0.0024	+0.005	4.20	2	4.92	2	5.36	2	F8II		174852		
636	V PUP	07 56 48.105	-49 06 30.44		-0.0016	+0.007	4.200	1	4.020	1	3.070	1	B2N		219226	DV	
637	32 A ORI	05 28 06.426	+05 54 41.72		-0.0006	-0.033	4.20	2	4.07	2	3.51	2	B5IV		112849	D	
638	GAM CRA	19 03 02.400	-37 08 13.47		+0.0079	-0.273	4.21	2	4.73	2	4.75	2	F8V+F8V		210928	D	48
639	23 DEL PSA	22 53 11.009	-32 48 26.29		+0.0014	+0.055	4.210	1	5.180	1	5.880	1	G68		214189	D	
640	98 KAP VIR	14 10 13.451	-10 02 30.80		-0.0004	+0.136	4.21	2	5.53	2	7.00	2	K3III		158427		
641	31 BET LMI	10 24 59.888	+36 57 50.87		-0.0100	-0.105	4.21	2	5.11	2	5.76	2	G8III-IV		62053	D	
642	90 PHI AQR	23 11 43.976	-06 19 07.92		+0.0025	-0.192	4.22	2	5.77	2	7.64	2	M2III		146585		
643	GAM PAV	21 22 20.184	-65 35 38.76		+0.0154	+0.797	4.220	1	4.700	1	4.570	1	F8V		254999	V?	
644	2 THE CEP	20 28 44.678	+62 49 32.32		-0.0060	-0.011	4.22	2	4.42	2	4.58	2	A M		18897		
645	BET SCT	18 44 31.239	-04 48 10.73		-0.0005	-0.017	4.22	2	5.31	2	6.15	2	G5II		142618		
646	43 PHI DRA	18 21 28.505	+71 18 42.23	L	-0.0020	+0.041	4.22	2	4.12	2	3.79	2	A0SI		9084	DV?	
647	65 KAP TAU	04 22 23.083	+22 10 51.94		+0.0070	-0.046	4.22	2	4.35	2	4.49	2	A7V		76601		
648	37 PSI PER	03 32 55.512	+48 01 41.40		+0.0025	-0.023	4.23	2	4.17	2	3.61	2	B5E		38980		
649	27 TAU-6 ERI	03 44 41.716	-23 23 46.59		-0.0118	-0.527	4.23	2	4.65	2	4.66	2	F3V		168827		
650	16 PER	02 47 25.066	+38 06 50.92		+0.0160	-0.104	4.23	2	4.57	2	4.65	2	F2III		55928		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
651	ZET TUC	00 17 28.772	-65 10 06.72		+0.2714	+1.167	4.230	1	4.810	1	4.830	1	G2V		248163		
652	CHI CYG	19 48 38.484	+32 47 11.78		-0.0024	-0.038	4.23	2	6.05	2	7.01	2	S7-1E		68943	V	
653	N SCO	16 28 06.546	-34 35 50.07		-0.0008	-0.017	4.230	1	4.070	1	3.270	1	B2IV		207732		
654	22 EPS UMI	16 51 00.905	+82 07 21.53		+0.0052	+0.003	4.23	2	5.13	2	5.68	2	G5III		2770	DV	
655	THE LUP	16 03 18.108	-36 40 04.52		-0.0016	-0.033	4.230	1	4.050	1	3.370	1	B2VN		207332		
656	52 CYG	20 43 35.774	+30 32 10.47		-0.0009	+0.031	4.23	2	5.29	2	6.17	2	K0III		70467	D	
657	67 SIG CYG	21 15 26.951	+39 11 03.50		-0.0002	-0.000	4.23	2	4.36	2	3.97	2	B9IAB		71165	V?	
658	1 CEN	13 42 50.314	-32 47 29.86		-0.0365	-0.150	4.23	2	4.61	2	4.61	2	F2III		204812		
659	42 ALP COM	13 07 33.321	+17 47 36.25	L	-0.0302	+0.131	4.23	2	4.68	2	4.62	2	F5V+F5V		100443	D	47
660	81 PI - 2 CYG	21 44 56.560	+49 04 39.35		+0.0002	+0.003	4.24	2	4.12	2	3.40	2	B3III		51293		
661	BET APS	16 35 53.074	-77 25 00.28		-0.0859	-0.347	4.24	2	5.30	2	6.25	2	K0III		257424	D	
662	56 OMI SCA	17 38 36.141	-12 51 01.01		-0.0050	-0.055	4.24	2	4.32	2	4.43	2	A2V		160747		
663	J PUP	07 51 49.995	-47 58 18.20		-0.0001	+0.000	4.24	2	4.10	2	3.11	2	B1IR		219111		
664	BET CHA	12 15 22.132	-79 02 04.83		-0.0152	+0.015	4.245	1	4.130	1	3.620	1	B6V		256924		
665	5 UMI	14 27 36.189	+75 55 05.75		+0.0012	+0.020	4.25	2	5.69	2	7.39	2	K4III		8024	D	
666	ALP ANT	10 24 51.646	-30 48 45.30		-0.0059	+0.009	4.25	2	5.70	2	7.33	2	M0III		201405	V?	
667	31 LYN	08 19 25.154	+43 21 00.83		-0.0016	-0.100	4.25	2	5.80	2	7.71	2	K5III		42319	V	
668	35 PI AUR	05 56 13.359	+45 56 04.47		+0.0001	-0.005	4.25	2	5.97	2	7.80	2	M3II		40756		
669	42 PHI AND	01 06 35.326	+46 58 32.80		+0.0009	-0.004	4.25	2	4.18	2	3.84	2	B7V		36972	D	
670	89 PI CET	02 41 44.470	-14 04 10.17		-0.0008	-0.013	4.25	2	4.11	2	3.66	2	B7V		148575		
671	KAP ERI	02 25 09.162	-47 55 39.34		+0.0022	-0.005	4.25	2	4.11	2	3.61	2	B5III		215906		
672	GAM DOR	04 14 42.867	-51 36 42.99		+0.0113	+0.189	4.25	2	4.55	2	4.58	2	F5V		233457	V	
673	33 IOT AQR	22 03 44.306	-14 06 46.98		+0.0027	-0.053	4.25	2	4.18	2	3.91	2	B8V		164861		
674	91 PSI- 1 AQR	23 13 16.342	-09 21 37.71		+0.0249	-0.012	4.25	2	5.36	2	6.37	2	K0III		146598	D	
675	5 ALP- 1 CAP	20 14 52.647	-12 39 51.04		+0.0013	+0.002	4.26	2	5.34	2	6.15	2	G3IB		163422	D	
676	88 -D TAU	04 32 54.250	+10 03 35.26		+0.0036	-0.044	4.26	2	4.44	2	4.56	2	A M		94026	DV?	
677	110 OMI PSC	01 42 44.968	+08 54 24.64		+0.0048	+0.052	4.26	2	5.22	2	5.90	2	G8III		110110		
678	2 UMI	01 01 30.792	+85 59 24.27		+0.0773	-0.006	4.26	2	5.47	2	6.80	2	K2III		181	D	160
679	65 ALP CNC	08 55 45.247	+12 03 09.07		+0.0024	-0.034	4.26	2	4.39	2	4.54	2	A M		98267	D	
680	93 TAU VIR	13 59 05.942	+01 47 08.46		+0.0011	-0.025	4.26	2	4.36	2	4.49	2	A3III		120238	D	
681	43 BET COM	13 09 32.444	+28 07 52.02		-0.0605	+0.879	4.26	2	4.84	2	4.92	2	G0V		82706		
682	XI - 2 CEN	13 03 58.753	-49 38 19.89		-0.0030	-0.012	4.270	1	4.080	1	3.320	1	B2V		223909	D	
683	-N CEN	12 50 39.510	-39 54 26.31		+0.0055	-0.027	4.27	2	4.48	2	4.60	2	A7III		203907		
684	8 BET CVN	12 31 22.289	+41 37 44.10		-0.0631	+0.288	4.27	2	4.86	2	4.91	2	G0V		44230		
685	ALP SCL	00 56 11.882	-29 37 38.43		+0.0013	+0.005	4.270	1	4.090	1	3.520	1	B8III		166716		
686	58 -E PER	04 33 13.125	+41 09 50.57		-0.0013	-0.016	4.27	2	5.49	2	6.28	2	K0+A3		39639		
687	87 MU CET	02 42 14.102	+09 54 15.02		+0.0190	-0.030	4.27	2	4.58	2	4.65	2	F0IV		110723		
688	-E ERI	03 17 55.851	-43 15 35.73		+0.2783	+0.748	4.270	1	4.980	1	5.200	1	G5V		216263		
689	69 LAM ERI	05 06 45.092	-08 49 00.32		-0.0003	-0.004	4.27	2	4.07	2	3.17	2	B2IV		131824	V?	
690	90 -C- 1 TAU	04 35 21.558	+12 24 43.81		+0.0067	-0.010	4.27	2	4.39	2	4.52	2	A5V		94044		
691	GAM- 1 VEL	08 07 56.809	-47 11 50.48		-0.0009	-0.006	4.27	2	4.03	2			B3N		219501	D	
692	32 IOT CAP	21 19 27.888	-17 02 55.00		+0.0022	+0.006	4.27	2	5.18	2	5.74	2	G8III		164346		
693	8 PHI OPH	16 28 16.379	-16 30 19.16		-0.0037	-0.038	4.27	2	5.19	2	5.90	2	G8III		159963		
694	11 PHI HER	16 07 11.504	+45 03 54.26		-0.0028	-0.035	4.27	2	4.20	2	3.92	2	A P		45911		
695	45 -D OPH	17 24 09.518	-29 49 25.26		+0.0016	-0.140	4.27	2	4.67	2	4.75	2	F5IV		185412		
696	MU LUP	15 15 02.583	-47 41 33.44		-0.0025	-0.040	4.27	2	4.18	2	3.81	2	B8		225638	D	
697	68 TAU	04 22 35.580	+17 48 55.20		+0.0076	-0.027	4.28	2	4.32	2	4.40	2	A2IV		93923	D	
698	69 UPS TAU	04 23 18.680	+22 42 06.75		+0.0076	-0.045	4.28	2	4.54	2	4.69	2	F0III-IV		76608		
699	19 TAU- 5 ERI	03 31 34.657	-21 47 57.95		+0.0029	-0.024	4.28	2	4.16	2	3.81	2	B8V		168634		
700	10 TAU	03 34 19.095	+00 14 39.54		-0.0157	-0.481	4.28	2	4.85	2	4.93	2	F8V		111292		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
701	71 EPS PSC	01 00 20.700	+07 37 17.02		-0.0054	+0.028	4.28	2	5.24	2	5.95	2	K0III		109627		
702	BET HYA	11 50 22.635	-33 37 47.13		-0.0042	+0.001	4.28	2	4.18	2	3.85	2	A0SI		202901	D	
703	-X- 1 VEL	10 37 18.653	-55 20 32.70		-0.0027	-0.001	4.28	2	5.32	2	6.07	2	G2II		238309	D	
704	47 LAM PER	04 02 50.904	+50 13 03.34		-0.0015	-0.034	4.29	2	4.31	2	4.27	2	B9V		24412		
705	73 XI - 2 CET	02 25 29.791	+08 14 13.15		+0.0025	-0.004	4.29	2	4.13	2	4.12	2	B9III		110543		
706	75 SIG GEM	07 40 11.382	+29 00 22.55		+0.0051	-0.234	4.29	2	5.41	2	6.38	2	K1III		79638	V?	
707	94 TAU TAU	04 39 14.403	+22 51 46.00		-0.0001	-0.016	4.29	2	4.15	2	3.58	2	B3V		76721		
708	9 ALP CAM	04 49 03.825	+66 15 38.64		+0.0006	+0.008	4.29	2	4.32	2	3.44	2	09.5IA		13298		
709	6 LAM LEP	05 17 16.190	-13 13 37.19		-0.0007	-0.003	4.29	2	4.04	2	3.03	2	B0.5IV		150340		
710	Q SCO	17 33 06.013	-38 36 07.37		-0.0011	-0.201	4.29	2	5.38	2	6.28	2	GK0		209019	V?	
711	BET- 2 SGR	19 19 36.611	-44 53 44.93		+0.0091	-0.052	4.29	2	4.63	2	4.70	2	DF1		229654		
712	10 NU CEP	21 44 00.269	+60 53 22.50		-0.0005	+0.001	4.29	2	4.81	2	4.94	2	A2TA		19624	V?	
713	17 XI - 2 CEP	22 02 20.440	+64 23 01.68		+0.0320	-0.089	4.29	2	4.63	2	4.72	2	A M		19827	D	
714	THE GRU	23 04 04.199	-43 47 27.19		-0.0038	-0.012	4.290	1	4.720	1	4.880	1	F6IV		231444	D	
715	29 PI - 2 PEG	22 07 45.788	+32 55 55.97		-0.0012	-0.017	4.29	2	4.75	2	4.93	2	F5II-III		72077		
716	17 BET- 1 PSA	22 28 40.070	-32 36 11.08		+0.0053	-0.012	4.290	1	4.300	1	4.320	1	A0V		213883	D	
717	17 IOT AND	23 35 40.605	+42 59 28.21		+0.0026	+0.004	4.29	2	4.18	2	3.90	2	B8V		53216	V?	
718	10 THE PSC	23 25 25.805	+06 06 14.76		-0.0082	-0.041	4.30	2	5.38	2	6.41	2	K1III		128196		
719	33 CYG	20 12 14.137	+56 24 50.93		+0.0073	+0.085	4.30	2	4.41	2	4.39	2	A3IV-V		32378		
720	12 DEL- 2 Lyr	18 52 45.207	+36 50 02.93		-0.0011	+0.010	4.30	2	5.97	2	7.62	2	M4II		67559	DV	
721	W SGR	18 01 49.519	-29 35 03.04		+0.0011	-0.001	4.30		5.100				F8P		186237	DV	
722	4 GAM CMI	07 25 26.447	+09 01 42.20		-0.0043	+0.015	4.30	2	5.73	2	7.26	2	K3III		115478	D	
723	7 ETA HYA	08 40 36.696	+03 34 45.66		-0.0013	-0.005	4.300	1	4.100	1	3.360	1	B3V		117050	V?	
724	49 MU TAU	04 12 48.954	+08 46 07.09		+0.0014	-0.022	4.30	2	4.25	2	3.74	2	B3V		111696		
725	19 -Q TAU	03 42 13.572	+24 18 42.91		+0.0014	-0.042	4.30	2	4.19	2	3.73	2	B6V		76140		
726	91 UPS LEO	11 34 23.255	-00 32 51.17		+0.0001	+0.038	4.30	2	5.31	2	6.05	2	G9III		138298		
727	4 LAM LEO	09 28 52.248	+23 11 22.21		-0.0018	-0.042	4.31	2	5.85	2	7.74	2	K5III		80885	V?	
728	-J CEN	11 47 14.269	-63 30 37.47		-0.0032	-0.002	4.310	1	4.160	1	3.540	1	B3VNE		251602		
729	THE- 1 CRU	12 00 27.925	-63 02 04.31		-0.0214	+0.003	4.310	1	4.585	1	4.615	1	A M		251705	D	
730	53 NU SCA	17 18 00.746	-12 47 52.08		+0.0029	+0.004	4.31	2	4.34	2	4.38	2	A1V		160479	D	
731	9 PEG	21 42 08.534	+17 07 11.12		+0.0008	-0.010	4.31	2	5.49	2	6.45	2	G5IB		107365		
732	12 GAM- 2 DEL	20 44 20.236	+15 56 34.82		-0.0024	-0.195	4.312	1	5.364	1	5.672	1	K1IV		106476	D	62
733	51 MU - 1 BOO	15 22 35.995	+37 33 05.49		-0.0124	+0.084	4.32	2	4.63	2	4.69	2	F0V		64686	D	
734	16 ZET UMI	15 45 47.812	+77 56 57.09		+0.0045	-0.003	4.32	2	4.36	2	4.41	2	A3V		8328	V?	
735	8 ETA CRV	12 29 29.361	-15 55 09.82		-0.0298	-0.066	4.32	2	4.69	2	4.71	2	F0IV		157345		
736	DEL OCT	14 18 39.094	-83 26 29.51		-0.0581	-0.008	4.32	2	5.63	2	7.08	2	GK1		258698		
737	12 D HYA	08 44 00.736	-13 21 49.74		+0.0007	+0.016	4.32	2	5.22	2	5.86	2	G8III		154622	D	
738	29 ZET MON	08 06 04.849	-02 50 12.87		-0.0014	-0.008	4.32	2	5.29	2	6.01	2	G2IB		135551	D	
739	-D CAR	08 39 30.828	-59 34 55.65		-0.0005	-0.004	4.325	1	4.205	1	3.395	1	B1III		236181	D	
740	4 XI - 1 CMA	06 29 46.283	-23 22 52.26		-0.0008	+0.010	4.33	2	4.09	2	3.11	2	B0.5IV		171895	DV	
741	-V CEN	14 16 48.924	-56 09 26.52		-0.0017	-0.018	4.33	2	4.45	2			B5II		241641		
742	OMI LUP	14 48 21.892	-43 22 11.08		-0.0019	-0.030	4.330	1	4.190	1	3.580	1	B6III?		225248	D	
743	-E CEN	12 50 16.447	-48 40 17.35		-0.0086	-0.023	4.33	2	5.70	2	7.28	2	GK2		223731		
744	10 OME- 2 SCO	16 04 28.091	-20 44 06.53		+0.0029	-0.041	4.33	2	5.17	2	5.68	2	GG2		184135	V?	
745	OME LUP	15 34 40.555	-42 24 17.46		-0.0131	+0.058	4.33	2	5.76	2	7.48	2	M0III		226004	D	
746	2 -F LUP	15 14 46.871	-29 57 58.36		-0.0007	-0.010	4.33	2	5.43	2	6.50	2	GK0		183346	V?	
747	49 SIG OPH	17 24 01.895	+04 10 56.12		+0.0001	+0.005	4.33	2	5.83	2	7.41	2	K3II		122387	V?	
748	71 AQL	20 35 45.349	-01 16 51.96		+0.0008	-0.019	4.33	2	5.29	2	5.98	2	G8III		144649	DV?	
749	55 ZET- 2 AQR	22 26 15.514	-00 16 36.08		+0.0138	+0.047	4.331	1	4.711	1	4.701	1	F2IV		146108	D	4
750	9 IOT PSA	21 41 58.427	-33 15 17.86		+0.0028	-0.090	4.340	1	4.290	1	4.180	1	A0SI		213258	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
751	1 KAP LYR	18 18 06.453	+36 02 27.36		-0.0016	+0.043	4.34	2	5.51	2	6.70	2	K2III		66869	V?	
752	UPS- 2 CEN	13 58 35.630	-45 21 43.76		+0.0001	-0.023	4.34	2	4.94	2	5.22	2	F7I-II		224621		
753	-G CAR	09 14 47.406	-57 19 53.02		-0.0018	-0.009	4.34	2	5.97	2	7.95	2	GK5		236787	V?	
754	54 DM ERI	04 38 15.153	-19 45 58.40		+0.0011	-0.096	4.34	2	5.95	2	7.73	2	GM4		149818	OV	
755	33 THE CAS	01 08 02.554	+54 53 04.32		+0.0265	-0.017	4.34	2	4.51	2	4.64	2	A7V		22070	V?	
756	2 PI - 2 ORI	04 47 53.047	+08 48 57.64		+0.0001	-0.030	4.35	2	4.36	2	4.39	2	A0V		112124		
757	119 CE TAU	05 29 16.760	+18 33 31.99		+0.0002	-0.002	4.35	2	6.41	2	8.62	2	M2IB		94628	V	
758	44 KAP AUR	06 12 11.481	+29 31 06.24		-0.0054	-0.265	4.35	2	5.36	2	6.17	2	G8III		78143	V?	
759	DEL DOR	05 44 40.928	-65 45 15.24		-0.0043	+0.007	4.35	2	4.56	2	4.68	2	A6IV		249346		
760	THE CHA	08 22 10.841	-77 19 26.05		-0.0391	+0.036	4.35	2	5.51	2	6.70	2	K0III-IV		256503	D	
761	EPS VOL	08 07 46.613	-68 28 12.52		-0.0042	+0.021	4.350	1	4.230	1	3.770	1	B5III		250128	D	
762	15 LYN	06 52 57.126	+58 29 26.92		-0.0003	-0.136	4.35	2	5.20	2	5.71	2	G5III-IV		26051	D	
763	M VEL	09 35 02.133	-49 07 49.16		-0.0113	+0.025	4.35	2	4.52	2	4.64	2	DA5		221344	D	
764	TAU- 2 LUP	14 22 57.189	-45 09 15.94		+0.0014	-0.011	4.350	1	4.780	1	4.960	1	DF7		224920	D	
765	102 HER	18 06 37.111	+20 48 18.86		+0.0002	-0.009	4.35	2	4.20	2	3.39	2	B2V		85769	D	
766	PI PAV	18 03 45.934	-63 40 23.74		+0.0032	-0.185	4.35	2	4.57	2	4.75	2	A5V		254147	V?	
767	23 DEL UMI	17 48 18.338	+86 36 34.78		+0.0107	+0.054	4.36	2	4.38	2	4.41	2	A1V		2937		
768	XI PAV	18 18 37.191	-61 31 09.61		+0.0005	+0.004	4.36	2	5.84	2	7.39	2	K2III		254226	D	
769	6 ZET- 1 LYR	18 43 02.939	+37 33 06.27		+0.0020	+0.024	4.36	2	4.55	2	4.71	2	A M		67321	DV?	
770	111 HER	18 44 48.700	+18 07 28.04		+0.0051	+0.115	4.36	2	4.48	2	4.56	2	A3V		104093		
771	41 IOT AQL	19 34 08.067	-01 23 55.88		+0.0001	-0.016	4.36	2	4.27	2	3.83	2	B5III		143597	DV?	
772	CHI CEN	14 02 59.020	-40 56 27.53		-0.0017	-0.024	4.360	1	4.170	1	3.400	1	B3V		224673		
773	GAM COL	05 55 45.769	-35 17 15.18		-0.0003	+0.008	4.36	2	4.18	2	3.52	2	B3IV		196352	D	
774	4 KAP LEP	05 10 55.232	-12 59 57.16		-0.0014	-0.010	4.36	2	4.26	2	3.92	2	B8V		150239	D	
775	ETA PHE	00 41 06.809	-57 44 13.25		-0.0002	+0.016	4.360	1	4.350	1	4.320	1	A0IV		232162	D	
776	29 PI AND	00 34 12.186	+33 26 39.75		+0.0013	-0.000	4.36	2	4.20	2	3.65	2	B5V		54033	D	
777	THE- 1 SGR	19 56 29.133	-35 24 47.51		+0.0006	-0.024	4.36	2	4.21	2	3.54	2	B3IV		211716		
778	5 LAC	22 27 26.535	+47 27 01.65		+0.0003	+0.000	4.37	2	6.05	2	7.15	2	M0IAB+B		52055	V?	
779	BET SCL	23 30 17.688	-38 05 42.35		+0.0073	+0.020	4.37	2	4.28	2	3.92	2	A P		214615		
780	BET- 1 TUC	00 29 15.752	-63 14 00.38		+0.0140	-0.050	4.370	1	4.320	1	4.150	1	B8V		248201	D	
781	65 XI - 1 CET	02 10 20.747	+08 36 47.36		-0.0017	-0.003	4.37	2	5.25	2	5.86	2	G8II		110408		
782	37 A- 1 TAU	04 01 44.065	+21 56 49.01		+0.0066	-0.056	4.37	2	5.44	2	6.39	2	K0III		76430		
783	57 DEL ARI	03 08 45.885	+19 32 20.22		+0.0107	-0.007	4.37	2	5.40	2	6.26	2	K2III		93328	V?	
784	KAP COL	06 14 46.278	-35 07 22.03		-0.0011	+0.084	4.37	2	5.37	2	6.20	2	G8III		196643		
785	20 IOT CMA	06 53 54.354	-16 59 16.84		-0.0007	+0.008	4.37	2	4.31	2	3.61	2	B3II		152126	V?	
786	13 RHO HYA	08 45 47.115	+06 01 25.07		-0.0013	-0.037	4.37	2	4.32	2	4.27	2	A0V		117146	D	
787	15 GAM COM	12 24 26.870	+28 32 46.07		-0.0064	-0.087	4.37	2	5.50	2	6.65	2	K1III-IV		82313		
788	31 A LEO	10 05 15.131	+10 14 36.35		-0.0055	-0.065	4.37	2	5.82	2	7.57	2	F4III		98964	D	
789	5 ALP SGE	19 37 51.612	+17 53 51.21		+0.0009	-0.020	4.37	2	5.14	2	5.57	2	G0II		105120	D	
790	6 BEI SGE	19 38 48.129	+17 21 31.95		+0.0006	-0.033	4.37	2	5.42	2	6.31	2	G8II		105133		
791	21 THE LYR	19 14 37.858	+38 02 37.02		-0.0005	+0.004	4.37	2	5.62	2	6.85	2	K0II		68065		
792	20 ETA LYR	19 12 03.290	+39 03 32.09		+0.0000	+0.003	4.38	2	4.24	2	3.57	2	B2IV		68010	DV?	
793	40 XI OPH	17 18 00.251	-21 03 39.72		+0.0165	-0.209	4.38	2	4.79	2	4.73	2	F2V		185296	D	
794	25 IOT OPH	16 51 38.391	-10 14 46.44		-0.0036	-0.038	4.38	2	4.30	2	3.98	2	B8V		102458	V?	
795	51 THE VIR	13 07 21.476	+05 16 21.11		-0.0023	-0.037	4.38	2	4.37	2	4.38	2	A1V		139189	D	
796	35 SIG PER	03 27 02.277	+47 49 27.84		+0.0004	+0.023	4.38	2	5.72	2	7.25	2	K3III		18890	V?	
797	30 EPS AND	00 35 54.422	+29 02 26.12		-0.0174	-0.249	4.38	2	5.25	2	5.72	2	G8III		74164		
798	-I VEL	10 57 51.272	-41 57 26.45		+0.0019	-0.002	4.39	2	4.50	2	4.62	2	A2IV		222487		
799	1 KAP CEP	20 10 36.574	+77 33 42.35		+0.0030	+0.027	4.39	2	4.34	2	4.25	2	B9III		9665	D	
800	DEL IND	21 54 31.763	-55 13 53.02		+0.0064	-0.005	4.390	1	4.680	1	4.760	1	F0IV		247244	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
801	THE- 2 IND	21 16 18.874	-53 39 37.51		+0.0121	-0.068	4.39	2	4.58	2	4.70	2	A4V		2:6965	D	
802	99 -B- 2 AGR	23 23 25.298	-20 54 58.53		-0.0038	-0.054	4.400	1	5.870	1	7.670	1	K5III		191900		
803	93 PSI- 2 AGR	23 15 18.318	-09 27 20.71		+0.0012	-0.008	4.40	2	4.26	2	3.72	2	B5V		146620	V?	
804	-F CAR	08 45 25.048	-56 35 06.99		+0.0001	+0.009	4.400	1	4.240	1	3.520	1	B2VNE		236268		
805	16 PUP	08 06 47.628	-19 05 50.94		-0.0015	-0.010	4.40	2	4.25	2	3.65	2	B5V		153890		
806	A CAR	06 48 46.131	-53 33 47.16		-0.0004	+0.030	4.40	2	5.32	2	5.93	2	G63		234737	DV?	
807	30 TAU CMA	07 16 38.006	-24 51 42.54		-0.0010	+0.008	4.400	1	4.250	1	3.260	1	O9III		173446		
808	61 OME ERI	04 50 26.131	-05 32 05.45		-0.0016	+0.022	4.40	2	4.63	2	4.81	2	A9IV		11568		
809	110 VIR	15 00 22.276	+02 17 11.29		-0.0037	+0.008	4.40	2	5.44	2	6.31	2	K0III		120809		
810	94 NU HER	17 56 35.255	+30 11 32.29		-0.0002	+0.007	4.41	2	4.80	2	4.95	2	F2II		66524		
811	76 LAM HER	17 28 42.947	+26 08 49.49		+0.0013	+0.019	4.41	2	5.85	2	7.53	2	K4III		85163	V?	
812	37 PHI- 1 ORI	05 32 04.419	+09 27 26.67		+0.0000	-0.003	4.41	2	4.26	2	3.29	2	B0IV		112914		
813	54 CHI- 1 ORI	05 51 25.196	+20 16 07.36		-0.0133	-0.086	4.41	2	5.00	2	5.08	2	G0V		77705		
814	PSI PHE	01 51 38.578	-46 32 48.92		-0.0083	-0.081	4.410	1	6.000	1	7.710	1	M4III		215696	V	
815	GAM SCL	23 16 07.705	-32 48 16.84		+0.0017	-0.064	4.410	1	5.540	1	6.600	1	G8III		214444		
816	68 UPS PEG	23 22 52.799	+23 07 43.20		+0.0140	+0.043	4.41	2	5.02	2	5.16	2	F8IV		91253		
817	30 PSC	23 59 23.719	-06 17 30.91		+0.0033	-0.036	4.41	2	6.04	2	7.88	2	M3IV		147042	V?	
818	58 E HYA	14 47 20.721	-27 45 11.94		-0.0181	-0.062	4.41	2	5.81	2	7.28	2	GK4		182911	D	102
819	11 BET- 2 MON	06 26 23.939	-07 00 03.34		-0.0015	+0.003	4.413	1	4.256	1	3.523	1	B3NE+B3E		133317		
820	8 NU - 3 CMA	06 35 41.389	-18 11 34.09		-0.0011	-0.009	4.42	2	5.57	2	6.61	2	K1II-III		151730		
821	67 NU ORI	06 04 42.949	+14 46 34.32		+0.0004	-0.022	4.42	2	4.27	2	3.60	2	B3V		95259		
822	46 TAU GEM	07 07 57.505	+30 19 44.65		-0.0022	-0.047	4.42	2	5.68	2	7.08	2	K2III		59858	DV?	
823	38 ETA AND	00 54 31.887	+23 08 53.49		-0.0025	-0.037	4.42	2	5.36	2	6.05	2	G8III-IV		74388		
824	26 PI ERI	03 43 46.541	-12 15 25.99		+0.0028	+0.059	4.42	2	6.04	2	8.05	2	GM2		149158	V	
825	-A CEN	14 19 56.795	-39 17 04.67		-0.0025	-0.036	4.420	1	4.240	1	3.500	1	B3V		205497	V	
826	SIG LUP	14 29 14.049	-50 14 11.84		-0.0043	-0.013	4.42	2	4.23	2	3.39	2	B2V		241781		
827	60 -B LEO	10 59 39.756	+20 26 54.17		-0.0008	+0.032	4.42	2	4.47	2	4.52	2	A M		81637		
828	33 PI CEP	23 06 18.007	+75 07 01.55		+0.0031	-0.023	4.42	2	5.24	2	5.69	2	G2III		10629	D	
829	66 UPS CYG	21 15 51.555	+34 41 09.86		+0.0009	-0.000	4.42	2	4.32	2	3.50	2	B2VE		71173	DV?	
830	5 IOT DEL	20 35 25.555	+11 12 07.25		+0.0026	-0.004	4.42	2	4.460	2	4.48	2	A2V		106322		
831	08 OPH	17 59 12.900	+01 18 17.26		+0.0008	-0.012	4.42	2	4.46	2	4.48	2	A1V		123035	DV?	
832	27 LAM SCP	15 44 00.829	+07 30 30.70		-0.0151	-0.068	4.43	2	5.03	2	5.13	2	G0V		121186	V?	
833	7 CHI OPH	16 24 07.286	-18 20 40.22		-0.0008	-0.029	4.43	2	4.71	2	3.95	2	B2VE		159918	V	
834	40 OMI- 2 ERI	04 12 58.161	-07 43 45.89		-0.1501	-3.420	4.43	2	5.25	2	5.69	2	K1V		131063	D	
835	5 SIG HYA	08 36 08.671	+03 31 05.48		-0.0013	-0.021	4.43	2	5.63	2	6.91	2	K2III		116988		
836	-H- 2 PUP	08 12 16.284	-40 11 39.07		+0.0035	-0.070	4.44	2	5.61	2	6.70	2	GK0		219635	D	
837	3 IOT LEP	05 09 57.809	-11 55 39.95		+0.0014	-0.016	4.44	2	4.35	2	3.95	2	B8V		150223	D	
838	EPS RET	04 15 36.943	-59 25 18.30		-0.0067	-0.162	4.44	2	5.52	2	6.59	2	GK1		233463	D	
839	63 DEL PSC	00 46 05.113	+07 18 47.93		+0.0056	-0.046	4.44	2	5.95	2	7.83	2	K5III		109474		
840	106 NU PSC	01 38 49.559	+05 14 07.13		-0.0016	+0.006	4.44	2	5.80	2	7.36	2	K3III		110065		
841	39 CYG	20 21 51.684	+32 01 39.89		+0.0031	+0.002	4.44	2	5.77	2	7.27	2	K3III		69950		
842	11 DEL DEL	20 41 07.413	+14 53 38.69		-0.0014	-0.041	4.44	2	4.76	2	4.86	2	A M?		106425	V	
843	3 -K AGR	20 45 05.974	-05 12 43.27		-0.0001	-0.037	4.44	2	6.11	2	8.04	2	M3III		144814	V	
844	3 BET LAC	22 21 35.317	+51 58 40.98		-0.0018	-0.183	4.44	2	5.46	2	6.23	2	G9III		34395		
845	17 RHO ORI	05 10 40.482	+02 48 11.68		-0.0002	-0.005	4.45	2	5.64	2	6.78	2	K3III		112528	DV?	
846	ALP CAE	04 38 56.921	-41 57 29.93		-0.0135	-0.078	4.45	2	4.79	2	4.79	2	F2V		216926	D	
847	-H- 1 PUP	08 09 34.249	-39 28 06.92		-0.0006	-0.006	4.45	2	6.07	2	7.92	2	CK		198908	V?	
848	-Q PUP	08 16 40.940	-36 30 12.25		-0.0093	+0.093	4.45	2	4.67	2	4.78	2	A7III		199070		
849	9 OME OPH	16 29 10.062	-21 21 39.92		+0.0009	+0.034	4.45	2	4.56	2	4.69	2	A P		184450		
850	60 TAU DRA	19 16 31.472	+73 15 47.87		-0.0330	+0.111	4.45	2	5.70	2	7.15	2	K3III		9366	V?	

TABLE 5 CONTINUED
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851	6 ALP VUL	19 26 37.410	+24 33 44.89		-0.0093	-0.103	4.45	2	5.95	2	7.77	2	M0III		87261		
852	38 MU AQL	19 31 38.752	+07 16 16.89		+0.0144	-0.157	4.45	2	5.63	2	6.87	2	K3III		124799	OV?	
853	-R CAR	10 33 39.731	-57 17 53.77		-0.0027	-0.003	4.45	2	6.07	2	7.86	2	GK3		238222		
854	DEL-2 CHA	10 45 20.164	-80 16 34.91		-0.0211	+0.004	4.450	1	4.265	1	3.565	1	B3V		258543	V?	
855	-W VEL	08 58 13.313	-41 03 29.79		-0.0038	+0.038	4.45	2	5.10	2	5.48	2	F8III		220730	D	
856	1 KAP LEO	09 21 44.777	+26 23 55.31		-0.0024	-0.050	4.46	2	5.69	2	7.00	2	K2III		80807		
857	B CEN	11 48 38.202	-44 53 42.92		-0.0077	-0.018	4.46	2	5.76	2	7.22	2	K4III		223062		
858	18 MON	06 45 15.171	+02 28 06.45		-0.0014	-0.013	4.46	2	5.57	2	6.61	2	K0III		114428	V	
859	7 AE CET	00 12 06.096	-19 12 34.97		-0.0019	-0.063	4.46	2	6.12	2	8.07	2	GM1		147169		
860	BET FOR	02 46 59.844	-32 36 54.11		+0.0071	-0.159	4.460	1	5.450	1	6.140	1	G6III		193931		
861	1 TAU-1 ERI	02 42 46.063	-18 46 59.50		+0.0229	+0.042	4.46	2	4.94	2	4.94	2	F6V		148544		
862	11 LAC	22 38 18.981	+44 00 53.45		+0.0085	+0.016	4.46	2	5.79	2	7.15	2	K3III		52251	OV?	
863	22 GAM PSA	22 49 45.065	-33 08 28.32		-0.0024	-0.021	4.460	1	4.420	1	4.280	1	A0V		214153	D	103
864	LAM GRU	22 03 06.497	-39 47 07.80		-0.0017	-0.117	4.460	1	5.830	1	7.490	1	K2III		213543	D	
865	8 EPS-1 MON	06 21 07.050	+04 37 11.68		-0.0013	+0.010	4.462	2	4.662	2	4.802	2	A5IV		113810	D	
866	7 CAM	04 53 16.194	+53 40 28.10		-0.0026	+0.008	4.47	2	4.45	2	4.43	2	A1V		24929	D	
867	DEL TUC	22 23 48.047	-65 13 18.17		+0.0124	+0.005	4.47	2	4.44	2	4.37	2	B8V		255222	D	
868	28 SIG BOO	14 32 30.141	+29 57 41.19		+0.0145	+0.129	4.47	2	4.84	2	4.76	2	F2V		83416	D	
869	74 PHI LEO	11 14 07.105	-03 22 40.76		-0.0075	-0.041	4.47	2	4.68	2	4.83	2	A7III-IV		138102	D	
870	13 THE CYG	19 35 05.974	+50 06 16.11		-0.0025	+0.256	4.47	2	4.86	2	4.84	2	F4V		31815	D	
871	11 BET CRT	11 09 11.730	-22 33 08.99		+0.0000	-0.102	4.48	2	4.51	2	4.56	2	A2IV		179624		
872	15 -F UMA	09 05 21.316	+51 48 28.27		-0.0147	-0.039	4.48	2	4.75	2	4.87	2	A M		27136		
873	G CAR	09 05 01.948	-72 24 05.11		+0.0025	-0.009	4.48	2	5.09	2	5.31	2	F6III-III		256582	D	
874	86 -C-1 AGR	23 03 59.885	-24 00 49.12		+0.0048	+0.001	4.480	1	5.380	1	5.970	1	G69		191651		
875	EPS TUC	23 57 19.974	-65 51 19.05		+0.0091	-0.020	4.480	1	4.390	1	4.110	1	B7V		255619		
876	70 XI ORI	06 09 05.757	+14 13 18.49		+0.0002	-0.021	4.48	2	4.31	2	3.65	2	B3V		95362	V?	
877	2 LYN	06 15 12.749	+59 01 54.24		-0.0007	+0.025	4.48	2	4.49	2	4.52	2	A2V		25665		
878	LAM CMA	06 26 18.858	-32 32 50.81		-0.0019	+0.023	4.48	2	4.31	2	3.70	2	B5		196857	V?	
879	10 PI-6 ORI	04 55 57.260	+01 38 20.04		-0.0004	-0.002	4.49	2	5.89	2	7.45	2	K2II		112281	D	
880	30 GEM	06 41 10.098	+13 16 48.38		-0.0002	-0.060	4.49	2	5.65	2	6.82	2	K1III		96051		
881	I PUP	07 11 08.037	-46 40 29.97		-0.0136	+0.100	4.49	2	4.81	2	4.80	2	F0V		218537		
882	-B PUP	07 50 52.397	-38 43 56.84		-0.0008	-0.008	4.49	2	4.30	2	3.61	2	B3V		198545	D	
883	24 A CAP	21 04 12.403	-25 12 24.97		-0.0017	-0.041	4.490	1	6.090	1	7.990	1	M1III		190025	D	
884	7 DEL EQU	21 12 02.672	+09 48 11.96		+0.0031	-0.301	4.49	2	4.99	2	4.98	2	F7V		126643	V?	
885	21 LMI	10 04 29.163	+35 29 21.43		+0.0041	+0.001	4.49	2	4.67	2	4.74	2	A7V		61874		
886	16 LIB	14 54 34.088	-04 08 38.37		-0.0069	-0.158	4.49	2	4.81	2	4.85	2	F0IV		140240	D	123
887	-K-1 PUP	07 36 46.323	-26 41 12.59		-0.0016	+0.016	4.494	2	4.304	2	3.744	2	B8		174198	D	98
888	5 EPS-2 LYR	18 42 43.325	+39 33 33.98		+0.0003	+0.064	4.496	2	5.53	2	6.37	2	A3+A5		67315	OV?	
889	4 PSI OPH	16 21 10.365	-19 55 19.12		-0.0020	-0.050	4.50	1	6.250	1	7.500	1	K0III		159892		
890	R DOR	04 36 10.395	-62 10 31.78		-0.0091	-0.083	4.500	1	4.50	1	4.32	2	GM7		249066	OV	
891	13 MON	06 30 11.958	+07 22 16.36		-0.0002	-0.008	4.50	2	4.50	2	4.32	2	A0IB		114034		
892	GAM RET	04 00 10.113	-62 17 54.81		+0.0003	+0.028	4.500	1	6.140	1	7.940	1	GM5		248925	V	
893	71 TAU	04 23 29.605	+15 30 23.06		+0.0077	-0.021	4.50	2	4.75	2	4.89	2	F0V		93932		
894	22 OMI CAS	00 41 55.654	+48 00 40.00		+0.0019	-0.003	4.50	2	4.44	2	3.91	2	B2V		36620	D	
895	4 TAU BOO	13 44 53.109	+17 42 18.89		-0.0338	+0.034	4.50	2	4.98	2	5.03	2	F7V		100706	OV?	
896	15 ALP SEX	10 05 22.720	-00 07 35.34		-0.0012	-0.014	4.50	2	4.46	2	4.40	2	A0III		137366		
897	14 MU PSA	22 05 28.281	-33 14 00.28		+0.0061	-0.033	4.500	1	4.550	1	4.610	1	A2V		213576		
898	67 RHO DRA	20 02 35.927	+67 43 51.20		+0.0020	-0.050	4.50	2	5.81	2	7.31	2	K3III		18676		
899	59 -B SGR	19 53 52.875	-27 18 14.61		+0.0007	-0.012	4.50	2	5.96	2	7.52	2	GK3		188742	D	
900	55 ZET-1 AGR	22 26 15.261	-00 16 35.27		+0.0119	+0.014	4.501	1	4.881	1	4.871	1	F2IV		146107		3

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
901	I- 1 VEL	10 19 02.930	-55 47 26.91		-0.0019	+0.001	4.505	1	4.375	1	3.805	1	B3IV		237959	D	
902	26 UMA	09 31 24.644	+52 16 30.21		-0.0072	-0.039	4.51	2	4.51	2	4.55	2	A2V		27298		
903	EPS ANT	09 27 10.760	-35 43 54.93		-0.0020	-0.007	4.51	2	5.95	2	7.63	2	K4III		200416		
904	6 LAC	22 28 19.477	+42 51 59.90		-0.0007	+0.002	4.51	2	4.42	2	3.68	2	B2IV		52079		
905	55 PEG	23 04 29.023	+09 08 20.50		+0.0006	-0.010	4.51	2	6.09	2	7.97	2	M2III		127976		
906	18 LAM PSC	23 39 29.636	+01 30 17.32		-0.0087	-0.147	4.51	2	4.72	2	4.79	2	A7V		128336		
907	105 OME- 2 AQR	23 40 07.808	-14 49 17.44		+0.0066	-0.063	4.51	2	4.47	2	4.34	2	B9.5V		165842	D	
908	ETA IND	20 40 22.692	-52 06 04.59		+0.0175	-0.055	4.51	2	4.78	2	4.87	2	DA9		246709		
909	36 -B CAP	21 25 52.531	-22 01 33.65		+0.0099	-0.004	4.51	2	5.42	2	6.02	2	G65		190374		
910	83 TAU PSC	01 08 53.974	+29 49 29.07		+0.0056	-0.032	4.51	2	5.61	2	6.61	2	K0III-IV		74546		
911	50 UPS- 1 ERI	04 31 32.818	-29 51 59.49		-0.0081	-0.274	4.510	1	5.490	1	6.200	1	G66		169570	V?	
912	GAM PIC	05 48 55.024	-56 10 42.89		+0.0092	-0.074	4.51	2	5.61	2	6.59	2	K1III		234154		
913	GAM CIR	15 19 22.622	-59 08 33.15		-0.0014	-0.041	4.51	2	4.70	2	4.35	2	B5+F8		242463	D	
914	54 A LEO	10 52 54.559	+25 01 00.80		-0.0053	-0.016	4.511	2	4.531	2	4.541	2	A1V		81583	D	81
915	-M CAR	09 37 57.870	-61 06 04.10		-0.0055	+0.018	4.515	1	4.445	1	4.255	1	B9V		250653		
916	100 LAM VIR	14 16 23.969	-13 08 30.89		-0.0013	+0.024	4.52	2	4.65	2	4.74	2	A M		158489	V?	
917	OMI PUP	07 46 00.394	-25 48 42.76		-0.0010	+0.003	4.52	2	4.47	2	3.45	2	B0V		174558	D	
918	39 ARI	02 44 55.468	+29 02 26.66		+0.0114	-0.119	4.52	2	5.63	2	6.66	2	K1III		75578		
919	25 SIG AND	00 15 42.479	+36 30 29.75		-0.0052	-0.035	4.52	2	4.57	2	4.64	2	A2V	2	53798	V?	
920	13 NU AQR	21 06 52.308	-11 34 31.13		+0.0062	-0.014	4.52	2	5.46	2	6.13	2	G8III		164182		
921	23 VUL	20 13 41.706	+27 39 35.21		-0.0028	+0.011	4.52	2	5.78	2	6.89	2	K3III		88428		
922	4 BET PSC	23 01 19.867	+03 33 01.75		+0.0007	-0.004	4.52	2	4.40	2	3.90	2	B5PE		127934		
923	J- 2 CEN	13 19 22.932	-60 43 36.67		-0.0046	-0.017	4.525	1	4.395	1	3.805	1	B5V		252284	D	
924	-M CEN	13 20 37.523	-64 16 29.16		+0.0055	-0.032	4.53	2	5.38	2	5.85	2	G5III-IV		252293		
925	93 LEO	11 45 24.461	+20 29 48.73		-0.0107	-0.008	4.53	2	5.08	2	5.36	2	A +G5III-		81998		
926	7 AND	23 10 15.119	+49 07 58.27		+0.0092	+0.102	4.53	2	4.83	2	4.87	2	F0V		52787		
927	35 NU AND	00 47 02.830	+40 48 25.23		+0.0018	-0.016	4.53	2	4.38	2	3.80	2	B5V		36699		
928	IOT CAS	02 24 54.856	+67 10 45.26		-0.0025	+0.016	4.53	2	4.66	2	4.72	2	A P		12298	DV	
929	17 PER	02 48 25.535	+34 51 19.19		+0.0012	-0.062	4.53	2	6.09	2	8.01	2	K5III		55946		
930	-F PUP	07 35 31.016	-34 51 17.92		-0.0023	+0.013	4.53	2	4.44	2	4.13	2	B8V		198195	D	
931	29 TAU AUR	05 45 42.481	+39 09 58.50		-0.0021	-0.023	4.53	2	5.47	2	6.16	2	G8III		58465	D	
932	21 IOT SCP	15 39 19.178	+19 49 48.61		-0.0041	-0.049	4.53	2	4.58	2	4.60	2	A1V		101682	D	
933	EPS TEL	18 07 31.023	-45 57 54.77		-0.0014	-0.031	4.53	2	5.54	2	6.32	2	G8III		228777		
934	PHI- 2 LUP	15 19 57.180	-36 40 50.36		-0.0015	-0.025	4.540	1	4.390	1	3.770	1	B5V		206580		
935	-D LUP	15 32 26.018	-44 47 33.65		-0.0024	-0.032	4.540	1	4.360	1	3.680	1	B5IV		225950	D	
936	24 IOT LIB	15 09 21.946	-19 36 13.70		-0.0027	-0.043	4.54	2	4.46	2	4.08	2	A SI		159090	DV?	
937	47 OPH	17 23 58.550	-05 02 38.50		-0.0064	-0.045	4.54	2	4.95	2	4.87	2	F3V		141665	V?	
938	5 XI - 2 CMA	06 32 57.562	-22 55 26.07		+0.0003	+0.013	4.54	2	4.48	2	4.47	2	A0V		171982		
939	16 AUR	05 14 53.588	+33 19 17.00		+0.0037	-0.160	4.54	2	5.81	2	7.08	2	K3III		57853	D	
940	48 A CAS	01 57 48.527	+70 39 57.27		-0.0131	+0.010	4.54	2	4.70	2	4.76	2	A4V		4554	D	
941	54 LAM CYG	20 45 27.531	+36 18 21.94		+0.0005	-0.003	4.54	2	4.43	2	3.93	2	B5V		70505	D	
942	17 KAP- 2 BOO	14 11 41.518	+52 01 23.55		+0.0063	-0.007	4.54	2	4.740	2	4.84	2	A7IV		29046	DV	10
943	37 XI BOO	14 49 04.784	+19 18 27.00		+0.0096	-0.103	4.54	2	5.31	2	5.60	2	G8V		101250	D	
944	75 RHO- 2 HER	17 21 57.343	+37 11 26.94		-0.0035	+0.005	4.548	2	4.548	2	4.498	2	A P		66001	D	78
945	43 PSI BOO	15 02 18.094	+27 08 29.75		-0.0132	-0.009	4.55	2	5.78	2	7.12	2	K2III		83645		
946	10 LMI	09 31 09.969	+36 37 14.38		+0.0005	-0.026	4.55	2	5.47	2	6.10	2	G8III		61570		
947	BET- 2 TUC	00 29 16.518	-63 14 27.50		+0.0156	-0.052	4.550	1	4.690	1	4.720	1	A2V		248202	D	
948	DEL RET	03 57 56.956	-61 32 27.65		+0.0014	-0.017	4.550	1	6.170	1	8.120	1	M2III		248918		
949	GAM- 1 CAE	05 02 36.381	-35 33 01.69		+0.0100	-0.050	4.550	1	5.750	1	6.940	1	GK3		195532	D	
950	6 CMI	07 27 00.821	+12 06 41.66		+0.0000	-0.021	4.55	2	5.84	2	7.21	2	K2III		96952		

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TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
951	KAP PYX	09 05 51.103	-25 39 20.58		+0.0028	+0.005	4.56	2	6.17	2	8.04	2	GMO		177002	DV?	
952	TAU- 1 LUP	14 22 54.967	-44 59 46.85		-0.0012	-0.015	4.560	1	4.410	1	3.620	1	B3III		224910	V	106
953	EPS- 2 NOR	16 23 30.537	-47 26 34.34		-0.0004	-0.030	4.560	2	4.490	2	3.960	2	B37V		226773	D	
954	63 -F- 2 CYG	21 04 52.620	+47 26 48.21		+0.0005	+0.003	4.56	2	6.12	2	7.85	2	K4II		50456	DV?	
955	2 LAC	22 18 57.336	+46 17 03.53		+0.0020	+0.009	4.56	2	4.46	2	3.96	2	B6IV		51904	D	
956	70 -Q PEG	23 26 37.409	+12 29 04.42		+0.0044	+0.034	4.56	2	5.50	2	6.24	2	G8III		108638		
957	2 CET	00 01 10.761	-17 35 51.40		+0.0017	-0.004	4.56	2	4.52	2	4.40	2	B9IV		147059		
958	DEL SCL	23 46 19.467	-28 24 24.70		+0.0080	-0.101	4.570	1	4.570	1	4.560	1	A0V		192167	D	
959	2 PEG	21 27 40.860	+23 25 07.70		+0.0017	+0.007	4.57	2	6.19	2	8.12	2	M1III		89752	D	
960	11 CEP	21 41 11.735	+71 04 51.73		+0.0238	+0.105	4.57	2	5.67	2	6.76	2	K0III		10126		
961	19 OMI SCO	15 17 37.370	-24 03 02.03		-0.0002	-0.026	4.570	1	5.410	1	6.070	1	A5III		184329		
962	24 -D UMA	09 30 05.838	+70 03 06.47		-0.0124	+0.076	4.57	2	5.34	2	5.67	2	G2IV		6897		
963	32 TAU- 2 HYA	09 29 25.987	-00 57 47.98		-0.0010	-0.015	4.57	2	4.67	2	4.77	2	A3III		136932		
964	-W CAR	10 41 37.657	-60 18 14.13		-0.0040	+0.003	4.57	2	6.28	2	8.15	2	CK		251090	V?	39
965	3 -K- 1 CEN	13 48 55.945	-32 44 49.54		-0.0027	-0.042	4.573	2	4.443	2	3.843	2	B5IIIP		204916	D	
966	-M VEL	09 49 44.638	-46 18 45.25		-0.0013	-0.003	4.58	2	5.78	2	6.77	2	GG4		221553		
967	24 OME HER	16 23 06.363	+14 08 49.24		+0.0030	-0.063	4.58	2	4.57	2	4.53	2	A P		102153	D	
968	31 PSI- 1 DRA	17 42 49.282	+72 10 26.21		+0.0033	-0.267	4.58	2	5.01	2	5.02	2	F5IV-V		8890	D	
969	13 VUL	19 51 20.091	+23 56 52.78		+0.0019	+0.040	4.58	2	4.52	2	4.39	2	A0III		87883	D	
970	4 LAC	22 22 29.025	+49 13 20.68		-0.0010	+0.001	4.58	2	4.67	2	4.33	2	B9IAB		51970		
971	-Y ERI	03 35 17.911	-40 26 15.91		-0.0013	-0.026	4.580	1	6.20	1	6.390	1	K0III		216405		
972	-H ERI	03 40 58.757	-37 28 13.25		-0.0079	-0.070	4.585	1	5.785	1	7.095	1	GK2		194475	D	
973	MU PHE	00 38 58.031	-46 21 33.10		-0.0017	+0.005	4.590	1	5.560	1	6.280	1	G8III		215194		
974	1 PUP	07 41 31.201	-28 17 27.46		-0.0014	+0.022	4.590	1	6.220	1	8.200	1	GK5		174301	DV?	
975	30 PSI ORI	05 24 12.930	+03 03 14.31		-0.0001	-0.003	4.59	2	4.39	2	3.45	2	B2IV		112775	DV	
976	42 -C ORI	05 32 55.055	-04 52 10.72		-0.0001	-0.000	4.59	2	4.40	2	3.46	2	B2III		132320	DV?	
977	47 OME ORI	05 36 32.611	+04 05 40.59		-0.0004	+0.001	4.59	2	4.48	2	3.73	2	B3IIIE		113001		
978	136 TAU	05 50 10.984	+27 36 08.48		+0.0004	-0.014	4.59	2	4.57	2	4.60	2	A0III		77675	D	
979	7 RHO CAS	23 51 52.422	+57 13 16.52		-0.0004	+0.005	4.59	2	5.85	2	7.00	2	F8IAP		15879	V	
980	62 -C SGR	19 59 35.183	-27 51 01.64		+0.0029	+0.019	4.590	1	6.240	1	8.050	1	M4III		188844	V	
981	SIG ARA	17 31 55.972	-46 28 24.10		-0.0027	-0.034	4.59	2	4.57	2	4.47	2	A0		228162		
982	58 PI DRA	19 20 24.896	+65 37 05.16		+0.0017	+0.042	4.59	2	4.61	2	4.67	2	A2IV		18299		
983	DEL CRA	19 04 52.193	-40 34 34.10		+0.0032	-0.025	4.59	2	5.69	2	6.72	2	GK1		229513		
984	13 -C- 2 SCO	16 09 13.074	-27 47 53.94		-0.0009	-0.028	4.590	1	4.430	1	3.690	1	B2.5VN		184221		
985	RR UMI	14 56 46.802	+66 07 52.18		-0.0139	+0.027	4.59	2	6.18	2	7.77	2	GM5		16558	V	
986	2 A SCO	15 50 36.264	-25 10 45.87		-0.0011	-0.028	4.590	1	4.530	1	3.860	1	B2.5VN		183806	D	
987	40 UPS- 2 HYA	10 02 41.299	-12 49 17.50		-0.0029	+0.010	4.59	2	4.49	2	4.22	2	B8V		155713	V?	7
988	5 GAM- 2 ARI	01 50 46.872	+19 02 57.87		+0.0056	-0.100	4.593	1	4.553	1	4.423	1	B9V		92681	DV	
989	35 OMI BOO	14 42 54.369	+17 10 30.21		-0.0041	-0.053	4.60	2	5.58	2	6.33	2	K0III		101184		
990	30 PHI UMA	09 48 43.042	+54 17 56.59		-0.0006	+0.017	4.60	2	4.63	2	4.71	2	A3S		27408	D	
991	IOT ANT	10 54 22.976	-36 52 06.90		+0.0064	-0.133	4.60	2	5.63	2	6.47	2	G5III		201927		
992	-Y CAS	11 10 26.815	-60 02 43.18		-0.0005	-0.000	4.60	2	5.15	2	5.20	2	F0IA		251316	D	
993	-K LUP	15 22 05.129	-38 33 28.63		-0.0045	-0.019	4.60	2	4.60	2	4.54	2	A0IV		206616		
994	113 HER	18 52 38.155	+22 34 49.85		+0.0005	+0.005	4.60	2	5.38	2	5.88	2	G0+A3		86567	D	
995	52 -H- 2 SGR	19 33 39.969	-24 59 44.24		+0.0052	-0.018	4.60	2	4.54	2	4.39	2	B9		188337	D	
996	66 OPH	17 57 47.101	+04 22 11.61		-0.0000	-0.013	4.60	2	4.58	2	3.77	2	B2VE		123005	V	
997	62 TAU PEG	23 18 09.505	+23 27 59.22		+0.0024	-0.002	4.60	2	4.77	2	4.87	2	A5IV		91186	V	
998	31 VUL	20 49 59.145	+26 54 31.77		-0.0051	-0.061	4.61	2	5.43	2	5.89	2	G8III		89228		
999	46 UPS SGR	19 18 51.834	-16 03 01.82		+0.0000	-0.006	4.61	2	4.71	2	4.18	2	A PEP		162518	V	
1000	-Z- 1 CAR	11 04 28.908	-62 09 12.83		-0.0056	+0.009	4.61	2	5.64	2	6.45	2	GG5		251269		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
1001	31 TAU- 1	HYA 09 26 36.618	-02 32 58.04		+0.0084	-0.018	4.61	2	5.06	2	5.07	2	F6V		136895	0	
1002	33	PSC 00 02 46.530	-05 59 13.96		-0.0008	+0.094	4.61	2	5.65	2	6.52	2	K1III		128572		
1003	24 THE	AND 00 14 28.299	+38 24 14.90		-0.0044	-0.015	4.61	2	4.67	2	4.72	2	A2V		53777		
1004	-B- 1	PER 04 14 28.443	+50 10 28.93		+0.0050	-0.052	4.61	2	4.65	2	4.68	2	A2		24531	V	
1005	-P	PUP 07 33 22.339	-28 15 27.91		-0.0059	-0.022	4.61	2	4.49	2	4.06	2	B8		174058	0	
1006	4 PI - 2	UMA 08 35 51.956	+64 30 16.82		-0.0081	+0.024	4.61	2	5.78	2	6.94	2	K2III		14616		
1007	F	HYA 08 41 13.052	-07 03 09.05		-0.0005	-0.001	4.61	2	5.45	2	5.96	2	G2Ia		136221		
1008	-K- 2	PUP 07 36 46.820	-26 41 19.88		-0.0025	+0.025	4.614	2	4.424	2	3.864	2	B5N		174199	0	124
1009	36 UPS	ORI 05 29 30.607	-07 20 12.87		-0.0005	-0.006	4.62	2	4.36	2	3.29	2	B0V		132222		
1010	-K- 2	VEL 09 13 44.903	-37 12 14.18		+0.0017	-0.013	4.62	2	5.07	2	5.17	2	F5III		200163	0	
1011	A	CEN 11 32 22.851	-53 59 15.82		-0.0067	+0.015	4.620	1	4.545	1	4.345	1	B9V		239189		
1012	LAM	CRU 12 51 40.057	-58 52 31.38		-0.0041	-0.014	4.620	1	4.470	1	3.870	1	B57VN		240368		
1013	57 ZET	SCA 17 57 50.377	-03 41 19.04		+0.0096	-0.046	4.62	2	5.01	2	5.00	2	F3V		142025		
1014	37	L1B 15 31 26.466	-09 53 40.37		+0.0205	-0.241	4.62	2	5.63	2	6.48	2	K1IV		140609		
1015	1 CHI	HER 15 50 56.688	+42 53 25.78		+0.0396	+0.628	4.62	2	5.19	2	5.19	2	F9V		45772		
1016	11 BET- 1	MON 06 26 23.454	-06 59 58.06		-0.0015	-0.002	4.623	1	4.533	1	3.733	1	B3VE		133316	0	101
1017	62 CHI- 2	ORI 06 00 56.956	+20 08 28.96		+0.0002	-0.007	4.63	2	4.91	2	4.24	2	B2IA		77911	V?	
1018	48 EPS	ARI 02 56 20.825	+21 08 29.91	L	-0.0012	-0.002	4.63	2	4.67	2	4.75	2	A2V		75673	DV?	
1019	111 XI	PSC 01 50 57.835	+02 56 29.48		+0.0013	+0.028	4.63	2	5.57	2	6.27	2	K0III		110206	V?	
1020	IOT- 1AB	NOR 15 59 27.038	-57 38 11.18		-0.0148	-0.085	4.63	2	4.87	2	4.96	2	A5V		243279	0	
1021	10 DEL	CRB 15 47 29.715	+26 13 12.87		-0.0058	-0.070	4.63	2	5.43	2	5.80	2	G5III-IV		84019		
1022	3 UPS	OPH 16 25 05.723	-08 15 40.86		-0.0052	+0.007	4.63	2	4.79	2	4.85	2	A M		141187	0	
1023	71	OPH 18 04 54.790	+08 43 33.79		+0.0006	+0.032	4.63	2	5.60	2	6.33	2	G8III-IV		123140		
1024	57 MU	OPH 17 35 07.500	-08 05 24.07		-0.0008	-0.025	4.63	2	4.74	2	4.56	2	B8V		141772		
1025	72	LEO 11 12 32.837	+23 22 05.98		-0.0016	-0.010	4.63	2	6.29	2	8.14	2	M3III		81736	V?	
1026	63 CHI	LEO 11 02 26.300	+07 36 24.10		-0.0230	-0.050	4.63	2	4.96	2	5.04	2	F2III-IV		118648	DV?	
1027	47	CYG 20 31 57.393	+35 04 43.27		-0.0001	-0.004	4.63	2	6.24	2	6.99	2	K5+A3		70203		
1028	9	LAC 22 35 18.813	+51 17 11.75		-0.0061	-0.097	4.63	2	4.87	2	4.98	2	A7IV		34628		
1029	52 PI	AQR 22 22 43.382	+01 07 22.87		+0.0012	+0.005	4.64	2	4.60	2	3.64	2	B1VPE		127520		
1030	-L	CEN 12 37 09.597	-39 42 44.92		-0.0044	-0.035	4.64	2	4.56	2	4.16	2	A P		203681		
1031	NU	PAV 18 26 42.408	-62 18 46.06		+0.0006	-0.043	4.64	2	4.53	2	4.14	2	B8III		254273	V?	
1032	THE	CRA 18 29 55.960	-42 21 02.24		+0.0028	-0.021	4.64	2	5.66	2	6.42	2	G5III		229111		
1033	-G	LUP 15 37 44.506	-44 29 50.11		-0.0167	-0.263	4.640	1	5.040	1	5.020	1	F5IV-V		226064		
1034	28 UPS- 2	CAS 00 53 40.100	+58 54 41.01		-0.0119	-0.041	4.64	2	5.60	2	6.30	2	G8III-IV		21855		
1035	28 OME	PER 03 08 03.167	+39 25 23.39		-0.0020	+0.008	4.64	2	5.75	2	6.77	2	K0III		56224		
1036	102 IOT	TAU 05 00 06.223	+21 31 13.23		+0.0047	-0.041	4.64	2	4.80	2	4.94	2	A7V		76920		
1037	21	LYN 07 22 56.847	+49 18 46.66		-0.0012	-0.046	4.64	2	4.62	2	4.60	2	A1IV		41764		
1038	27 EW	CMA 07 12 12.835	-26 15 54.11		-0.0010	+0.005	4.65	2	4.45	2	3.76	2	B3IIPE		173264	DV	
1039	38 -E	GEM 06 51 49.416	+13 14 34.72		+0.0053	-0.084	4.65	2	4.95	2	5.03	2	F0VP		96265	DV?	
1040	86 RHO	TAU 04 31 00.440	+14 44 27.45		+0.0069	-0.025	4.65	2	4.90	2	4.98	2	F0V		94007		
1041	33 TAU- 8	ERI 03 51 34.897	-24 45 33.23		+0.0014	-0.014	4.65	2	4.52	2	4.04	2	B5V		168925		
1042	ETA	NOR 15 59 31.678	-49 05 31.58		+0.0031	+0.004	4.65	2	5.57	2	6.20	2	G65		226466		
1043	M	CEN 13 43 28.626	-51 10 57.82		+0.0008	-0.036	4.65	2	5.61	2	6.33	2	G69		241157	DV?	
1044	P	CAR 10 25 32.427	-57 22 59.78		-0.0015	-0.002	4.65	2	5.16	2	5.17	2	F0IA		238077	V?	
1045	15	VUL 19 59 02.403	+27 36 51.43		+0.0044	+0.010	4.65	2	4.83	2	4.99	2	A M		88071		
1046	3	AND 23 01 55.867	+49 46 47.88		+0.0167	+0.172	4.66	2	5.72	2	6.60	2	K0III		52649		
1047	84 PSI	PEG 23 55 12.376	+24 51 48.72		-0.0024	-0.077	4.66	2	6.25	2	7.92	2	M3III		91611		
1048	83	UMA 13 38 50.564	+54 56 03.02		-0.0031	-0.011	4.66	2	6.29	2	8.25	2	M2III		28843	V?	
1049	10 -I	DRA 13 49 58.224	+64 58 11.15		-0.0006	-0.006	4.66	2	6.23	2	8.12	2	GM3		16199	DV?	
1050	-W	CEN 12 39 48.700	-48 32 19.34		-0.0129	-0.035	4.66	2	5.76	2	6.77	2	GK1		223614		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1051	69 -E HER	17 15 56.691	+37 20 34.06		-0.0032	+0.062	4.66	2	4.71	2	4.68	2	A2V		65921	V?	
1052	20 OPH	16 47 03.867	-10 41 46.42		+0.0063	-0.096	4.66	2	5.13	2	5.20	2	F5IV-V		160118		
1053	GAM CAM	03 45 02.619	+71 10 51.59		+0.0044	-0.037	4.66	2	4.69	2	4.76	2	A3IV		5006		
1054	36 TAU- 9 ERI	03 57 47.470	-24 09 25.12		+0.0004	+0.011	4.66	2	4.52	2	4.11	2	A SI		169017		
1055	84 CHI PSC	01 08 45.636	+20 46 09.66		+0.0027	-0.006	4.66	2	5.69	2	6.50	2	G8III		74544		
1056	85 PHI PSC	01 11 01.657	+24 19 09.68		+0.0011	-0.027	4.66	2	5.69	2	6.53	2	K0III		74571	D	
1057	43 GAM CNC	08 40 23.702	+21 38 58.82		-0.0074	-0.043	4.66	2	4.68	2	4.69	2	A1V		80378		
1058	15 S MON	06 38 13.429	+09 56 37.02		+0.0001	-0.007	4.66	2	4.42	2	3.35	2	07		114258	DV	
1059	18 THE LEP	06 03 53.461	-14 55 45.55		-0.0014	+0.016	4.67	2	4.72	2	4.72	2	A1V		151110		
1060	7 PI - 1 ORI	04 52 08.440	+10 04 22.53		+0.0030	-0.130	4.67	2	4.75	2	4.84	2	A0P		94201		
1061	26 MON	07 58 40.675	-01 15 08.75		+0.0038	-0.077	4.67	2	6.16	2	7.93	2	K4III		135380		
1062	16 ZET- 2 CNC	08 09 21.213	+17 47 58.38		+0.0069	-0.112	4.67	2	5.20	2			DG2		97646	D	
1063	UPS- 1 PUP	07 16 31.676	-36 38 30.49		-0.0008	-0.001	4.67	2	4.57	2	3.78	2	B3VE		197824		
1064	34 PER	03 25 46.839	+49 20 15.04		+0.0027	-0.024	4.67	2	4.58	2	4.01	2	B5V		38872		
1065	35 ARI	02 40 30.651	+27 29 44.29		+0.0006	-0.007	4.67	2	4.54	2	3.91	2	B3V		75532		
1066	DEL- 1 APS	16 12 48.049	-78 34 25.65		-0.0017	-0.037	4.67	2	6.36	2	8.04	2	M4III		257380	D	
1067	3 PSI- 1 LUP	15 36 35.033	-34 15 00.34		+0.0013	-0.004	4.67	2	5.67	2	6.40	2	GG8		266843		
1068	32 NU AQL	19 23 57.612	+00 14 14.84		-0.0002	+0.003	4.67	2	5.27	2	5.78	2	F2IB		124628		
1069	47 OMI DRA	18 50 27.777	+59 19 36.35		+0.0095	+0.027	4.67	2	5.86	2	6.90	2	K0II-III		31218	D	
1070	26 CHI VIR	12 36 39.749	-07 43 14.48		-0.0053	-0.031	4.67	2	5.89	2	7.25	2	K2III		138892		
1071	6 PI VIR	11 58 18.616	+06 53 35.14		-0.0001	-0.034	4.67	2	4.80	2	4.90	2	A4V		119164	D	
1072	14 TAU UMA	09 06 49.121	+63 43 07.21		+0.0149	-0.065	4.67	2	5.02	2	5.17	2	A M		14796		
1073	80 PI - 1 CYG	21 40 18.952	+50 57 39.10		+0.0001	+0.004	4.67	2	4.55	2	3.86	2	B3IV		33665		
1074	GAM MIC	20 58 13.731	-32 27 16.32		-0.0000	+0.008	4.67	2	5.56	2	6.10	2	G4III		212636	D	
1075	5 GAM- 1 ARI	01 50 46.855	+19 03 06.11		+0.0055	-0.108	4.674	1	4.634	1	4.504	1	A SI		92680	D	6
1076	-T- 2A CAR	10 36 50.545	-58 55 20.21		-0.0013	-0.002	4.676	2	6.156	2	7.126	2	CK		238295	DV?	33
1077	LAM PYX	09 21 02.222	-28 37 09.04		-0.0106	+0.016	4.68	2	5.59	2	6.22	2	GG7		177374		
1078	G HYA	09 25 00.995	-22 07 24.74		+0.0127	-0.164	4.68	2	5.81	2	6.98	2	GK3		177469		
1079	2 SEX	09 35 50.850	+04 52 33.60		-0.0109	-0.057	4.68	2	6.00	2	7.45	2	K3III		117821		149
1080	53 CHI CET	01 47 07.649	-10 55 58.88		-0.0103	-0.091	4.68	2	5.00	2	5.03	2	F2IV		148036	D	
1081	ETA- 2 HYI	01 53 39.936	-67 53 34.38		+0.0135	+0.078	4.680	1	5.625	1	6.260	1	G8III		248460		
1082	11 ORI	05 01 42.545	+15 20 10.18		+0.0011	-0.035	4.68	2	4.63	2	4.53	2	A0SI		94290		
1083	5 GAM EQU	21 07 54.579	+09 55 44.82		+0.0040	-0.152	4.68	2	4.94	2	5.03	2	F P		126593	DV	
1084	59 XI AQL	19 51 49.434	+08 19 50.59		+0.0066	-0.079	4.68	2	5.73	2	6.62	2	K0III		125210		
1085	89 -C- 3 AQR	23 07 14.783	-22 43 43.97		+0.0018	-0.005	4.680	1	5.320	1	5.700	1	GG2+A2		191687	D	
1086	ZET SCT	18 20 55.131	-08 57 43.03		+0.0028	+0.044	4.68	2	5.62	2	6.34	2	K0III		142267		
1087	93 HER	17 57 49.773	+16 45 08.33		-0.0005	-0.012	4.68	2	5.95	2	7.16	2	K0II-III		103285		
1088	1 -B SCO	15 47 57.944	-25 36 02.98		-0.0013	-0.027	4.680	1	4.620	1	3.890	1	B2-5VN		183854		
1089	61 SIG DRA	19 32 27.585	+69 34 34.10		+0.1098	-1.744	4.69	2	5.49	2	5.86	2	K0V		18396	V?	
1090	66 -G- 1 AQR	22 40 53.937	-19 05 33.20		-0.0020	-0.024	4.69	2	6.05	2	7.61	2	K4III		165252	V?	
1091	4 ZET DEL	20 32 58.198	+14 30 02.23		+0.0031	+0.015	4.69	2	4.80	2	4.91	2	A3V		106274		
1092	23 XI AQR	21 35 05.459	-08 04 45.93		+0.0076	-0.023	4.69	2	4.88	2	5.01	2	A7V		145537		
1093	EPS IND	21 59 33.047	-56 59 33.64		+0.4822	-2.555	4.690	1	5.750	1	6.740	1	K5V		247287		
1094	31 OMI AQR	22 00 43.658	-02 23 51.13		+0.0011	-0.010	4.69	2	4.64	2	4.22	2	B8VE		145817	V?	
1095	19 PI CMA	06 53 27.261	-20 04 17.13		+0.0029	+0.041	4.69	2	5.05	2	5.11	2	GF2		172579	D	
1096	NU FOR	02 02 14.967	-29 32 09.81		+0.0008	+0.010	4.690	1	4.520	1	4.010	1	A0SI		167532	V?	
1097	73 PI TAU	04 23 46.677	+14 36 08.28		-0.0002	-0.032	4.69	2	5.67	2	6.39	2	G8III		93935		
1098	H VEL	08 54 48.708	-52 31 50.25		-0.0003	+0.006	4.690	1	4.565	1	4.095	1	B5V		236417	D	
1099	IOT CRU	12 42 40.528	-60 42 25.27		+0.0140	-0.068	4.69	2	5.74	2	6.67	2	K1III		252016	D	
1100	74 -L- 2 VIR	13 29 21.721	-05 59 53.73		-0.0069	-0.047	4.69	2	6.29	2	8.25	2	GM3		139390		

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1101	24 CVN	13 32 24.787	+49 16 15.85		-0.0132	+0.023	4.70	2	4.82	2	4.93	2	A4V		4668	V?	
1102	E CAR	09 05 14.516	-70 20 13.97		-0.0007	-0.009	4.700	1	4.550	1	3.750	1	B2VE		256583	V?	
1103	29 P1 LEO	09 57 34.334	+08 17 05.76		-0.0022	-0.026	4.70	2	6.30	2	8.22	2	M2III		118044		
1104	OMI HYA	11 37 43.438	-34 28 02.58		-0.0036	-0.003	4.70	2	4.63	2	4.41	2	B9		202695		
1105	21 THE CRT	11 34 08.577	-09 31 32.04		-0.0045	+0.003	4.70	2	4.62	2	4.46	2	B9V		138296		
1106	65 AND	02 22 16.474	+50 03 13.03		+0.0025	-0.010	4.70	2	6.23	2	8.13	2	K4III		23319		
1107	22 P1 PER	02 55 33.275	+39 27 50.67		+0.0025	-0.037	4.70	2	4.76	2	4.88	2	A2V		56047		
1108	91 LAM CET	02 57 01.871	+08 42 33.54		+0.0002	-0.010	4.70	2	4.58	2	4.13	2	P5III		110809		
1109	-M PUP	07 36 13.084	-25 15 00.43		-0.0008	-0.010	4.70	2	4.59	2	4.24	2	B9		174175	D	
1110	92 SIG- 2 TAU	04 36 24.685	+15 49 14.21		+0.0056	-0.016	4.70	2	4.84	2	4.98	2	A5V		94054		
1111	41 THE- 1 ORI	05 32 48.995	-05 25 16.22	N	-0.0001	+0.002	4.70		5.38		3.84	2	O6P+R1?+B8		132314	DV?	117
1112	58 OME SGR	19 52 46.744	-26 26 01.47		+0.0155	+0.083	4.700	1	5.450	1	5.770	1	D65		188722		
1113	12 PHI CYG	19 37 24.015	+30 02 13.10		+0.0000	+0.042	4.70	2	5.65	2	6.44	2	G8III-IV		68637		
1114	GAM SCT	18 26 20.804	-14 35 58.05		+0.0001	-0.005	4.71	2	4.78	2	4.82	2	A3V		161520		
1115	EPS MIC	21 14 54.649	-32 22 57.73		+0.0045	-0.024	4.71	2	4.77	2	4.79	2	A2P		212874	DV	
1116	IOT PHE	23 32 23.520	-42 53 30.27		+0.0040	+0.005	4.71	2	4.79	2	4.86	2	A P		231675	DV	
1117	31 CI ORI	05 27 11.524	-01 07 48.08		+0.0000	-0.022	4.71	2	6.28	2	8.13	2	K4III		132176	D	
1118	15 LAM AUR	05 15 37.211	+40 03 24.51		+0.0456	-0.661	4.71	2	5.33	2	5.46	2	G0V		40233	D	
1119	Q PUP	07 46 50.886	-46 57 02.24		-0.0091	-0.079	4.71	2	5.77	2	6.69	2	K0III		219018		
1120	52 -F PER	04 11 28.714	+40 21 32.43		+0.0012	-0.023	4.71	2	5.72	2	6.36	2	G0+A5		39409		
1121	KAP RET	03 28 29.944	-63 06 47.94		+0.0560	+0.376	4.71	2	5.10	2	5.06	2	F5V		248819	D	
1122	MU MUS	11 45 49.270	-66 32 11.82		+0.0032	-0.021	4.71		6.24	7			GK3		251597	V	
1123	THE- 2 CRU	12 01 43.852	-62 53 14.24		-0.0023	+0.003	4.710	1	4.625	1	4.015	1	B3IV		251717	V?	
1124	45 OME UMA	10 51 06.507	+43 27 23.96		+0.0041	-0.028	4.71	2	4.66	2	4.60	2	A1V		43512		
1125	-F CEN	13 03 22.134	-48 11 44.73		-0.0031	-0.026	4.710	1	4.570	1	4.000	1	B5V		223900	D	
1126	32 -W- 2 ERI	03 51 46.679	-03 06 04.36		+0.0016	+0.005	4.719	2	5.399	2	5.819	2	G8III		130806	D	73
1127	39 CHI CAS	01 30 38.663	+58 58 34.67		-0.0048	-0.016	4.72	2	5.72	2	6.48	2	G8III		22397		
1128	19 PUP	08 08 55.501	-12 46 38.70		-0.0021	+0.008	4.72	2	5.68	2	6.45	2	K0III		153942	D	
1129	ZET DOR	05 04 39.031	-57 32 25.76		-0.0043	+0.116	4.72	2	5.24	2	5.20	2	F8V		233822		
1130	37 LMI	10 35 54.672	+32 14 11.49		+0.0001	+0.002	4.72	2	5.53	2	6.08	2	G2II		62173		
1131	27 ZET CRT	11 42 13.506	-18 04 21.55		+0.0020	-0.036	4.72	2	5.69	2	6.43	2	G8III		156869		
1132	THE PYX	09 19 16.677	-25 45 06.29		-0.0009	-0.011	4.72	2	6.33	2	8.36	2	M1III		177322		
1133	101 -B- 3 AQR	23 30 39.734	-21 11 27.66		-0.0006	+0.017	4.720	1	4.740	1	4.750	1	A1		191988	D	
1134	39 EPS CAP	21 34 17.002	-19 41 27.69		+0.0007	+0.006	4.72	2	4.56	2	3.98	2	B3V?P		164520	DV	
1135	DEL SCT	18 39 32.109	-09 06 07.26		+0.0004	+0.001	4.72	2	5.07	2	5.23	2	F3III-IV		142515	DV	
1136	43 KAP LIB	15 39 03.636	-19 31 05.62		-0.0027	-0.107	4.72	2	6.30	2	8.24	2	K5III		159442	V?	
1137	DEL NOR	16 02 56.883	-45 02 21.78		+0.0002	+0.027	4.72	2	4.95	2	5.10	2	A M		226500		
1138	41 OPH	17 14 02.523	-00 23 25.24		-0.0017	-0.067	4.72	2	5.87	2	6.98	2	K2III		141586	D	
1139	9 CEP	21 36 34.670	+61 51 21.32		-0.0005	+0.001	4.73	2	5.03	2	4.49	2	B2IB		19541		
1140	43 KAP CAP	21 39 52.121	-19 05 42.64		+0.0103	-0.004	4.73	2	5.61	2	6.12	2	G8III		164593		
1141	6 MU AQR	20 49 57.475	-09 10 19.76		+0.0028	-0.028	4.73	2	5.05	2	5.15	2	A M		144895		
1142	20 AO CVN	13 15 18.147	+40 50 07.24		-0.0112	+0.017	4.73	2	5.03	2	5.23	2	F0II-IIIP		44549	V	
1143	14 LAM CAS	00 29 00.062	+54 14 47.51		+0.0050	-0.005	4.73	2	4.63	2	4.27	2	B8		21489	D	
1144	17 -V ERI	03 28 08.031	-05 14 43.17		+0.0006	+0.010	4.73	2	4.64	2	4.37	2	B8V		130528		
1145	K CAR	10 29 04.382	-71 44 06.98		+0.0043	-0.034	4.735	1	5.085	1	4.840	1	A2M		256722		
1146	30 LMI	10 23 03.201	+34 03 05.10		-0.0057	-0.066	4.74	2	4.99	2	5.17	2	F0V		62038		
1147	61 VIR	13 15 47.057	-18 02 01.31		-0.0754	-1.072	4.740	1	5.450	1	5.710	1	G6V		157844		
1148	11 COM	12 18 11.480	+18 04 08.27		-0.0079	+0.084	4.74	2	5.75	2	6.54	2	G8III		100053	D	
1149	36 PSI CAS	01 22 22.244	+67 52 11.60		+0.0135	+0.032	4.74	2	5.78	2	6.71	2	K0III		11751	D	
1150	22 -O ORI	05 19 12.471	-00 25 49.03		-0.0003	-0.001	4.74	2	4.58	2	3.79	2	B2IV		132028		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																				
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
1151	31	UPS	AUR	05 47	37.729	+37 17 35.85		+0.0034	-0.042	4.74	2	6.36	2	8.29	2	GM1		58496	V?	
1152	43		CYG	20 25	30.517	+49 13 00.41		+0.0069	+0.062	4.740	2	5.780	2	6.710	2	DF0		49643		
1153	8		CYG	19 29	54.724	+34 20 44.00		-0.0002	-0.000	4.74	2	4.61	2	3.94	2	B3IV		68447		
1154	4	-H- 2	CEN	13 50	19.377	-31 40 53.46		-0.0012	-0.016	4.749	1	4.609	1	4.049	1	B5III		204944	D	38
1155	69		VIR	13 24	46.868	-15 42 53.55		-0.0085	+0.019	4.75	2	5.85	2	6.91	2	K1III		157946	V?	
1156	21	IOT- 1	BOO	14 14	23.673	+51 35 49.93		-0.0165	+0.088	4.75	2	4.95	2	5.01	2	A7V		29071	DV?	
1157	51	-K	HYA	14 20	12.508	-27 31 31.63		-0.0145	-0.116	4.75	2	6.06	2	7.59	2	K5III		182483		
1158	61	-P- 2	LEO	10 59	16.600	-02 12 53.94		+0.0009	-0.038	4.75	2	6.37	2	8.29	2	K5III		137947		
1159		ZET	CRA	18 59	34.512	-42 10 05.43		+0.0049	-0.051	4.75	2	4.73	2	4.66	2	A0		229461		
1160	4		SGR	17 56	44.290	-23 48 48.01		+0.0002	-0.043	4.75	2	4.70	2	4.67	2	A0		196061		
1161	4	PSI- 2	LUP	15 39	29.406	-34 33 05.21		-0.0017	-0.032	4.750	1	4.610	1	4.070	1	B6V		206889		
1162	59	-F- 1	CYG	20 58	07.395	+47 19 30.07		+0.0003	+0.005	4.75	2	4.71	2	3.77	2	B1IV?E		50335	DV	
1163	17	PHI- 1	CET	00 41	40.021	-10 52 53.49		-0.0009	-0.108	4.75	2	5.75	2	6.59	2	K0III		147423	V?	
1164	76	SIG	CET	02 29	42.948	-15 27 47.46		-0.0053	-0.117	4.75	2	5.20	2	5.19	2	F5V		148445		
1165		-S	ERI	02 37	53.568	-43 06 19.75		+0.0087	-0.021	4.750	1	4.810	1	4.870	1	A2V		215996		
1166		NU	HYI	02 50	46.274	-75 16 16.59		-0.0071	-0.018	4.755	1	6.085	1	7.645	1	GK4		255929		
1167	90	UPS	PSC	01 16	42.703	+27 00 06.79		+0.0019	-0.006	4.76	2	4.79	2	4.89	2	A2V		74637		
1168		B	CAR	08 08	11.036	-61 08 59.78		-0.0219	-0.283	4.76	2	5.19	2	5.16	2	DF7		250131		
1169		PHI- 1	PAV	20 31	27.383	-60 45 07.33		+0.0099	-0.180	4.76	2	5.04	2	5.09	2	F0V		254823		
1170	6	NU	CAP	20 17	53.485	-12 55 04.49		+0.0011	-0.018	4.76	2	4.72	2	4.61	2	B9V		163468		
1171	34	OMI	CEP	23 16	33.630	+67 50 16.11		+0.0102	-0.022	4.76	2	5.60	2	6.09	2	K0III		20554	DV?	
1172	6	UPS	HER	16 01	14.296	+46 10 28.68		+0.0048	-0.062	4.76	2	4.65	2	4.33	2	A P		45865		
1173	44	-I	BOO	15 02	08.279	+47 50 53.32	C	-0.0409	+0.032	4.76	2	5.41	2	5.52	2	DG1		45357	DV	
1174	16	TAU	CXB	16 07	08.471	+36 37 00.60		-0.0047	+0.328	4.76	2	5.77	2	6.64	2	K0III		65108	DV?	
1175	8	RHO	UMA	08 58	03.973	+67 49 35.21		-0.0036	+0.016	4.76	2	6.29	2	8.17	2	GM3		14742		
1176		-E	LEO	11 27	45.521	-02 43 38.71		+0.0011	-0.020	4.77	2	6.31	2	8.13	2	K4III		138238		
1177		-D	SCO	16 15	11.495	-28 29 29.28		-0.0022	-0.106	4.77	2	4.79	2	4.78	2	A0V		184301		
1178		LAM	ARA	17 36	31.762	-49 23 12.97		+0.0081	-0.175	4.77	2	5.17	2	5.13	2	DF4		228257		
1179	1		VUL	19 14	03.973	+21 18 03.13		-0.0004	-0.001	4.77	2	4.73	2	4.18	2	B3IV		87010	DV?	
1180	50		PEG	23 04	40.342	+25 11 53.04		-0.0003	-0.026	4.77	2	6.12	2	7.27	2	K0IBP		91019	V?	
1181	57		CYG	20 51	28.529	+44 11 49.76		+0.0006	+0.004	4.77	2	4.63	2	4.05	2	B5V		50180	V?	
1182		-R	PUP	08 11	36.196	-35 44 51.41		-0.0003	-0.004	4.77	2	4.66	2	3.68	2	B1.5IIIE	7	198957	V	
1183		-N	VEL	08 39	34.638	-47 08 16.20		-0.0017	+0.006	4.77	2	4.89	2	5.01	2	A5II		220284		
1184	17		MON	06 44	36.888	+08 05 34.26		-0.0019	-0.014	4.77	2	6.17	2	7.82	2	K4III		114410		
1185	25	CHI	AUR	05 29	28.244	+32 09 25.48		+0.0000	-0.002	4.77	2	5.12	2	4.68	2	B5IAB		58164		
1186	2		AUR	04 49	16.855	+36 37 14.23		-0.0022	-0.007	4.77	2	6.18	2	7.76	2	K3III		57475		
1187		LAM- 1	PHE	00 29	00.580	-49 04 47.28		+0.0143	+0.026	4.770	1	4.780	1	4.820	1	A0V		215131	D	
1188	2	TAU- 2	ERI	02 48	46.150	-21 12 32.91		-0.0038	-0.018	4.77	2	5.67	2	6.28	2	K0III		168094	D	
1189	61		CYG	21 04	39.931	+38 29 59.11	C	+0.3523	+3.185	4.775	2	6.022	2	5.945	2	K5V+K7V		70919	D	56
1190		-F- 2	ERI	03 46	45.045	-37 46 19.90		+0.0061	-0.022	4.778	2	4.768	2	4.728	2	A0		194551	DV?	71
1191	20		CET	00 50	27.048	-01 24 55.53		+0.0004	-0.013	4.78	2	6.35	2	8.27	2	M0III		129009		
1192	64	S	ERI	04 57	36.240	-12 36 35.31		+0.0026	-0.091	4.78	2	5.04	2	5.21	2	F0IV		150064	V	
1193	56		ORI	05 49	50.570	+01 50 40.22		-0.0006	-0.007	4.78	2	6.16	2	7.62	2	K2II		113220	DV?	
1194		THE	OCT	23 59	03.312	-77 20 30.14		-0.0157	-0.170	4.780	1	6.030	1	7.430	1	K2III		258207		
1195		ZET	APS	17 16	45.293	-67 43 16.64		-0.0045	+0.002	4.78	2	5.99	2	7.26	2	GK1		253882		
1196	68	-U	HER	17 15	28.599	+33 09 10.06		-0.0009	-0.005	4.78	2	4.63	2	3.87	2	B3III		65913	DV	
1197	38	RHO	SCP	15 49	04.028	+21 07 87.15		-0.0038	+0.016	4.78	2	6.32	2	8.20	2	K5III		84037		
1198		I	HYA	09 38	59.997	-23 21 48.43		-0.0023	-0.008	4.78	2	4.66	2	4.08	2	B2PE		177840	D	
1199	78	MU - 1	CYG	21 41	54.246	+28 30 58.01		+0.0220	-0.238	4.785	2	5.225	2	5.235	2	F6V		89940	D	59
1200	43	OMI	PEG	22 39	24.327	+29 02 46.11		-0.0004	-0.022	4.79	2	4.78	2	4.77	2	A1V		90717		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
1201	24 CEP	22 08 51.004	+72 05 41.00		+0.0067	+0.010	4.79	2	5.71	2	6.32	2	G8III		10265		
1202	MU - 1 GRU	22 12 36.640	-41 35 46.57		+0.0045	+0.030	4.790	1	5.590	1	6.050	1	GG4		231055		
1203	THE ANT	09 41 58.247	-27 32 23.32		-0.0037	+0.030	4.79	2	5.29	2	5.65	2	F7		177908	D	
1204	27 P HYA	09 18 02.492	-09 20 33.63		-0.0013	-0.034	4.79	2	5.73	2	6.40	2	G8III-IV		136768	?	
1205	55 UMA	11 16 24.722	+38 27 36.38		-0.0049	-0.074	4.79	2	4.91	2	4.94	2	A2V		62491		
1206	36 COM	12 56 27.099	+17 40 42.39		-0.0024	+0.024	4.79	2	6.35	2	8.31	2	GM0		100357	V?	
1207	22 -I SCO	16 27 09.899	-25 00 24.44		-0.0005	-0.024	4.790	1	4.720	1	3.930	1	B2V		184429		
1208	69 TAU OPH	18 00 21.474	-08 10 55.08		+0.0017	-0.039	4.79	2	5.17	2	5.22	2	F2+F2		142050	D	112
1209	50 PSI- 2 AUR	06 35 45.703	+42 32 06.13		+0.0006	-0.059	4.79	2	6.02	2	7.32	2	K3II-III		41239		
1210	9 LAM A ARI	01 55 08.177	+23 21 11.25		-0.0065	-0.009	4.79	2	5.07	2	5.16	2	F0IV		75051	DV?	
1211	64 TAU	04 21 12.579	+17 19 47.19		+0.0077	-0.037	4.80	2	4.95	2	5.08	2	A7V		93907		
1212	13 ZET ERI	03 13 24.143	-09 00 15.50		-0.0006	+0.049	4.80	2	5.03	2	5.12	2	A 4		130347		
1213	89 CHI PEG	00 12 00.662	+19 55 43.61		+0.0067	+0.005	4.80	2	6.37	2	8.30	2	M2III		91792		
1214	28 OME DRA	17 37 14.348	+68 46 52.48		-0.0002	+0.322	4.80	2	5.23	2	5.22	2	F5V		17576		
1215	45 -D DRA	18 31 42.658	+57 00 24.61		-0.0014	-0.004	4.80	2	5.41	2	5.85	2	F7IB		31039		
1216	36 DRA	18 13 36.422	+64 22 48.39		+0.0526	+0.032	4.80						F5V		17828		
1217	ETA SCT	18 54 23.005	-05 54 45.78		+0.0042	-0.036	4.80	2	6.60	2	7.62	2	K2III		142838		
1218	ZET- 1 SCO	16 50 27.727	-42 16 51.19		+0.0003	-0.005	4.80		5.240				B1IAE		227375	V?	
1219	40 PSI VIR	12 51 44.944	-09 16 03.92		-0.0019	-0.020	4.80	2	6.39	2	7.94	2	M3III		139033	V	
1220	ETA MUS	13 11 49.986	-67 37 48.78		-0.0058	-0.017	4.800	1	4.720	1	4.380	1	B8V		252224	D	
1221	5 CYN	12 21 36.061	+51 50 20.55		+0.0009	+0.010	4.80	2	5.67	2	6.29	2	G7III		28366		
1222	40 LEO	10 17 01.010	+19 43 31.21		-0.0165	-0.220	4.80	2	5.25	2	5.26	2	F6IV		99065	V?	
1223	35 PEG	22 25 19.619	+04 26 39.41		+0.0054	-0.306	4.80	2	5.86	2	6.74	2	K0III-IV		127540		
1224	NU TUC	22 29 38.365	-62 14 23.27		+0.0060	-0.024	4.800	1	6.410	1	8.110	1	GM4		255247		
1225	R CAS	23 55 51.685	+51 06 36.38		+0.0083	+0.014	4.8						GM7E		35938	DV	
1226	57 SIG AQR	22 28 00.124	-10 56 04.11		+0.0000	-0.027	4.81	2	4.73	2	4.59	2	A0IV		165134		
1227	32 PEG	22 19 00.607	+28 04 41.10		+0.0013	-0.007	4.81	2	4.81	2	4.62	2	B8V		90440	D	
1228	11 RHO CAP	20 26 00.601	-17 58 49.23		-0.0011	-0.020	4.81	2	5.18	2	5.23	2	F2IV		163614	D	
1229	26 HYA	09 17 21.845	-11 45 46.60		-0.0020	+0.005	4.81	2	5.74	2	6.35	2	G8III		155096	D	
1230	-K CAR	09 19 44.969	-62 11 27.88		+0.0010	-0.008	4.81	2	5.75	2	6.37	2	GG7		250544		
1231	13 SIG- 2 UMA	09 06 01.131	+67 20 21.67	C	-0.0034	-0.077	4.81	2	5.30	2	5.32	2	F7IV-V		14788	DV?	
1232	12 COM	12 19 59.615	+26 07 24.31		-0.0009	-0.014	4.81	2	5.30	2	5.57	2	G0III-IV+		82273	D	
1233	23 COM	12 32 21.635	+22 54 15.43		-0.0049	+0.016	4.81	2	4.81	2	4.80	2	A0IV		82390		
1234	60 SIG VIR	13 15 04.685	+05 43 57.99		-0.0005	+0.011	4.81	2	6.48	2	8.43	2	GM2		119855		
1235	A BOO	14 15 52.952	+35 44 21.87		-0.0002	+0.011	4.81	2	5.87	2	6.79	2	K0III		64053		
1236	34 W BOO	14 41 13.443	+26 44 22.02		-0.0011	-0.020	4.81	2	6.47	2	8.41	2	GM3		83488	V	
1237	21 SGR	18 22 22.292	-20 34 12.90		+0.0004	-0.026	4.81	2	6.11	2	7.04	2	K2II		186794	D	
1238	51 OPH	17 28 21.743	-23 55 33.04		+0.0003	-0.028	4.81	2	4.81	2	4.75	2	A1		185470	V?	
1239	IOT- 2 SCO	17 46 41.171	-40 04 35.09		+0.0006	-0.008	4.81	2	5.07	2	5.07	2	CA3		228466	D	
1240	ETA SCL	00 25 27.101	-33 16 58.98		-0.0014	-0.045	4.810	1	6.450	1	8.260	1	GM4		192545	V	
1241	19 XI CAS	00 39 15.820	+50 14 19.11		+0.0014	-0.001	4.81	2	4.71	2	4.05	2	B2V		21637	V?	
1242	49 -D ORI	05 36 27.836	-07 14 21.42		-0.0012	-0.054	4.81	2	4.94	2	5.05	2	A4IV		132411		
1243	65 PSI ERI	04 59 00.759	-07 14 44.98		-0.0002	+0.008	4.81	2	4.62	2	3.87	2	B2V		131700		
1244	15 ORI	05 06 50.084	+15 32 06.42		+0.0001	-0.013	4.82	2	5.14	2	5.32	2	F2IV		94359		
1245	THE DOR	05 13 47.396	-67 14 29.96		+0.0025	+0.034	4.82	2	6.11	2			K2III		249225		
1246	139 TAU	05 54 53.423	+25 56 58.59		+0.0001	-0.002	4.82	2	4.76	2	3.82	2	B1IB		77775		
1247	B VEL	08 20 59.274	-48 19 44.43		-0.0018	+0.007	4.82	2	4.67	2	3.83	2	B1V		219848	D	
1248	D- 1 CAR	07 59 42.321	-63 25 42.46		+0.0001	+0.019	4.820	1	4.650	1	4.030	1	B3IV		250069		
1249	42 DRA	18 25 50.426	+65 31 56.82		+0.0156	-0.026	4.82	2	6.01	2	7.12	2	K2III		17888		
1250	52 UPS DRA	18 55 00.917	+71 13 50.81		+0.0094	+0.045	4.82	2	5.97	2	7.07	2	K0III		9283		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1251	52	HER	16 47 46.246	+46 04 10.06	+0.0019	-0.057	4.82	2	4.91	2	4.93	2	A2P	7	46305	DV	
1252	50 SIG	SCP	16 19 32.244	+01 08 42.37	-0.0105	+0.049	4.82	2	5.16	2	5.18	2	F0V		121540		
1253	11 KAP	CRB	15 49 20.761	+35 48 41.15	-0.0010	-0.351	4.82	2	5.82	2	6.69	2	K0III-IV		64948		
1254	41 OME	BOO	14 59 54.991	+25 12 17.18	-0.0004	-0.050	4.82	2	6.32	2	8.15	2	K4III		93624		
1255	-E	LUP	15 09 27.370	-44 18 47.18	-0.0032	-0.031	4.820	1	4.650	1	3.980	1	B3III		225539	DV?	
1256	105 PHI	VIR	14 25 37.362	-02 00 17.26	-0.0094	-0.005	4.82	2	5.56	2	5.77	2	G2III		139951		
1257	41	COM	13 04 46.815	+27 53 33.31	+0.0023	-0.077	4.82	2	6.27	2	8.14	2	K5III		82659		
1258	G	CEN	12 23 48.957	-51 10 25.51	-0.0047	-0.020	4.820	1	4.680	1	4.070	1	B4IV		239948	D	
1259	U	HYA	10 35 04.966	-13 07 26.18	+0.0020	-0.037	4.82	2	7.51	2	13.29	2	C7-3		156110	V	
1260	29	VUL	20 36 17.248	+21 01 28.67	+0.0050	+0.008	4.82	2	4.80	2	4.73	2	A0V		88944		
1261	60 A	SGR	19 55 54.576	-26 19 57.29	+0.0027	+0.034	4.82	2	5.71	2	6.25	2	GG5		188778		
1262	34 P	CYG	20 15 56.500	+37 52 35.55	-0.0007	-0.002	4.82	2	5.24	2	4.66	2	B P		69773	V	57
1263	THE- 1	MIC	21 17 34.153	-41 01 19.95	+0.0060	-0.003	4.82	2	4.84	2	4.77	2	A P		230644	V	
1264	30	CYG	20 11 43.632	+46 39 48.89	+0.0008	+0.001	4.83	2	4.92	2	5.08	2	A3III		49372	DV?	
1265	14 EPS	CRT	11 22 04.913	-10 35 05.39	-0.0022	+0.021	4.83	2	6.39	2			K5III		156658		
1266	-R	VEL	10 20 10.666	-41 23 52.28	-0.0026	+0.051	4.83	2	5.95	2	7.04	2	K1III		221998	V?	
1267	25	CVN	13 35 14.400	+36 32 54.96	-0.0084	+0.022	4.83	2	5.06	2	5.15	2	A7III		63648	D	
1268	12 -D	BOO	14 08 07.066	+25 19 39.84	-0.0017	-0.064	4.83	2	5.37	2	5.44	2	F8IV		83203		
1269	44 PI	SCP	16 00 08.407	+22 56 30.96	+0.0009	+0.020	4.83	2	4.90	2			A3V		84155		
1270	18 -G	DRA	16 40 33.945	+64 41 00.90	-0.0006	-0.017	4.83						K1P		17188		
1271	30	OPH	16 58 25.223	-04 08 57.19	-0.0031	-0.076	4.83	2	6.31	2	8.11	2	K4III		141483	V?	
1272	32 NU - 1	SGR	18 51 09.064	-22 48 29.54	+0.0007	-0.010	4.83	2	6.23	2	7.51	2	CK2		187426	D	
1273	42 PSI	SGR	19 12 28.542	-25 20 40.58	+0.0034	-0.025	4.83	2	5.38	2	5.70	2	DF5		187882	D	
1274	58	AND	02 05 27.653	+37 37 22.80	+0.0133	-0.036	4.83	2	4.95	2	5.09	2	A5V		55289		
1275	48 OME	AND	01 24 39.155	+45 08 57.55	+0.0328	-0.100	4.83	2	5.25	2	5.25	2	F4IV		37228	D	
1276	-W	PUP	08 19 24.794	-32 53 39.54	-0.0011	+0.005	4.83	2	6.28	2	7.88	2	K1III		199118		
1277	15 EY	CMA	06 51 23.118	-20 09 40.03	-0.0009	+0.003	4.83	2	4.62	2	3.66	2	B1IV		172520	V	
1278	A	PUP	07 07 10.276	-39 34 27.71	-0.0010	+0.004	4.83	2	4.65	2	3.96	2	B3V		197642		
1279	OMI	COL	05 15 40.780	-34 56 35.08	+0.0068	-0.339	4.83	2	5.83	2	6.62	2	K0IV		195721		
1280	4 OMI- 1	ORI	04 49 42.058	+14 10 08.31	-0.0001	-0.057	4.83		6.62	7			M3S	7	94176	V	
1281	DEL	PIC	06 09 19.403	-54 57 24.59	-0.0009	+0.008	4.84						B0.5III		234359	V	
1282	27	LYN	08 04 42.307	+51 39 09.91	-0.0064	-0.007	4.84	2	4.89	2	4.89	2	A2V		26687	D	
1283	98 MU	PSC	01 27 33.722	+05 53 12.21	-0.0064	-0.007	4.84	2	6.22	2	7.74	2	K4III		109926		
1284	26 UPS- 1	CAS	00 52 01.012	+58 42 09.02	+0.0197	-0.042	4.84	2	6.06	2	7.32	2	K2II		21832	D	
1285	96 KAP	CET	03 16 44.129	+03 11 17.27	-0.0042	-0.038	4.84	2	5.52	2	5.71	2	G5V		111120	V?	
1286	ZET	HYI	02 44 45.930	-67 49 35.41	+0.0178	+0.098	4.84	2	4.90	2	4.99	2	A3		248644		
1287	83 EPS	CET	02 37 08.592	-12 05 00.36	+0.0125	+0.043	4.84	2	5.29	2	5.28	2	F5IV-V		148528	D	
1288	47	TAU	04 11 13.026	+09 08 18.55	+0.0096	-0.234	4.84	2	5.64	2	6.15	2	G65		111674	D	
1289	74	OPH	18 18 22.199	+03 21 11.45	-0.0008	-0.036	4.84	2	5.75	2	6.36	2	G8III		123377	D	
1290	36	UMA	10 27 26.446	+56 14 15.64	-0.0001	+0.010	4.84	2	5.36	2	5.35	2	F8V		27670		
1291	18 -E	UMA	09 12 36.226	+54 13 47.18	-0.0214	-0.035	4.84	2	5.02	2	5.11	2	A5V		27191		
1292	58 -D	LEO	10 57 58.703	+03 53 10.88	+0.0061	+0.058	4.84	2	6.00	2	7.12	2	K1III		118610		
1293	22 ETA	CAP	21 01 33.704	-20 03 14.10	-0.0008	-0.020	4.84	2	5.02	2	5.07	2	A3M?		189986	D	
1294	22 NU	PEG	22 03 09.442	+04 48 48.17	-0.0025	-0.035	4.84	2	6.28	2	8.08	2	K4III		127285		
1295	104 A- 2	AQR	23 39 10.135	-18 05 38.16	+0.0073	+0.105	4.84	2	5.65	2	6.14	2	G0IR		165836	V?	
1296	RHO	GRU	22 40 36.447	-41 40 32.10	+0.0009	+0.008	4.850	1	5.880	1	6.690	1	G68		231265	D	
1297	ETA	GRU	22 42 34.442	-53 45 49.19	+0.0020	-0.069	4.850	1	6.030	1	7.100	1	GK2		247570	D	
1298	2 XI	VIR	11 42 42.410	+08 32 10.50	+0.0040	+0.024	4.85	2	5.03	2	5.13	2	A4		119029		
1299	XI - 1	CEN	13 00 38.852	-49 15 31.85	+0.0040	-0.022	4.850	1	4.870	1	4.850	1	A0V		223870		
1300	15	CYG	19 42 28.301	+37 13 56.98	-0.0061	-0.017	4.85						G8III		68778		
					+0.0059	+0.035											

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

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1301	19 XI	CRB	16 20 08.817	+31 00 25.01	-0.0076	+0.111	4.85	2	5.82	2	6.62	2	K0III		65254		
1302	29 -H	HER	16 30 15.764	+11 35 38.47	-0.0121	-0.080	4.85	2	6.34	2	8.16	2	K4III		102274		
1303	-D- 1	PUP	07 37 41.560	-38 11 32.04	-0.0018	+0.002	4.85	2	4.66	2	4.01	2	B3M		198253		
1304	-E- 2	CAR	08 34 08.841	-57 50 08.00	+0.0051	+0.021	4.86	2	5.86	2	6.67	2	GG9		276106		
1305	126	TAU	05 38 24.225	+16 30 35.29	+0.0006	-0.019	4.86	2	4.74	2	4.11	2	B3IV		04759	n	
1306	132	TAU	05 45 56.744	+24 33 09.24	+0.0000	-0.027	4.86						G8III		77502	V?	
1307	76 NU	CET	02 33 14.793	+05 22 33.99	-0.0021	-0.021	4.86	2	5.72	2	6.25	2	G8III		110635	n	
1308	39 A	ERI	04 12 00.832	-10 22 44.97	-0.0010	-0.162	4.86	2	6.04	2	7.18	2	K3III		149478	n	
1309	53 -D	PER	04 17 55.662	+46 22 53.01	+0.0019	-0.036	4.86	2	4.84	2	4.30	2	B6III		39483	V?	
1310	86 ZET- 1	PSC	01 11 06.933	+07 18 41.34	+0.0095	-0.050	4.86	2	5.18	2	5.27	2	A5		109739	DV?	
1311	EPS	CIR	15 13 24.052	-63 25 39.01	+0.0009	+0.006	4.86	2	6.11	2	7.43	2	GK0		253088		
1312	20	BOO	14 17 23.143	+16 32 06.18	-0.0101	+0.055	4.86	2	6.09	2	7.49	2	K3III		100980		
1313	Q	VEL	10 07 02.305	-51 33 55.33	-0.0013	-0.001	4.860	1	4.740	1	3.960	1	B2V		237736		
1314	1	CAS	23 04 29.489	+59 08 57.60	+0.0010	+0.006	4.86	2	4.83	2	3.96	2	B0.5IV		35147		
1315	8	AND	23 15 25.132	+48 44 30.65	+0.0035	+0.013	4.86	2	6.53	2	8.50	2	GM2		52871	DV?	
1316	27	PSC	23 56 06.762	-03 50 00.24	-0.0033	-0.068	4.86	2	5.79	2	6.49	2	G9III		147008	n	
1317	55	CYG	20 47 13.981	+45 55 40.43	+0.0001	+0.003	4.86	2	5.28	2	4.83	2	B3IA		50099	DV?	
1318	4	UMI	14 09 00.558	+77 46 56.76	-0.0108	+0.030	4.87						K3III		7958		
1319	Y	CYN	12 42 47.084	+45 42 47.87	-0.0002	+0.012	4.87	2	7.41	2	14.03	2	C5-4		44317	V	
1320	48 FX	LIB	15 55 23.102	-14 08 11.73	-0.0010	-0.019	4.87	2	4.77	2	4.61	2	B P		159607	V	
1321	MU	NOR	16 30 31.335	-43 56 28.69	-0.0009	-0.005	4.87		4.970				B0IA		226900		
1322	EPS	CRA	18 55 21.108	-37 10 27.98	-0.0107	-0.097	4.87						F0V		210781	V	
1323	56	OPH	17 40 25.892	-21 39 38.57	-0.0068	-0.046	4.87	2	5.34	2	5.31	2	F5V		185660		
1324	8 DEL	TRI	02 13 59.614	+33 59 47.61	+0.0928	-0.237	4.87	2	5.48	2	5.50	2	G0V		55420	n	
1325	LAM	COL	05 51 17.867	-33 48 40.70	-0.0008	+0.033	4.870	1	4.720	1	4.160	1	B5V		196276		
1326	12	LYN	06 41 49.358	+59 29 41.90	-0.0028	-0.003	4.87	2	4.95	2	5.02	2	A2N		25939	D	
1327	81 -G	GEM	07 43 13.834	+18 38 00.94	-0.0051	-0.062	4.87	2	6.33	2	8.09	2	K5III		97221		
1328	9	HYA	08 39 24.073	-15 45 45.16	-0.0006	-0.096	4.88	2	5.95	2	6.87	2	K1III		154552	n	
1329	11 MU	AUR	05 10 00.157	+38 25 38.27	-0.0016	-0.076	4.88	2	5.06	2	5.16	2	A M		57755		
1330	15	ERI	03 16 09.419	-22 41 34.59	+0.0010	+0.014	4.88	2	5.78	2			GG6		168452	D	
1331	24 NU - 1	DRA	17 31 11.293	+55 13 04.07	+0.0163	+0.055	4.88	2	5.14	2	5.17	2	A M		30447	D	
1332	25 NU - 2	DRA	17 31 16.719	+55 12 22.81	+0.0165	+0.054	4.88	2	5.15	2	5.19	2	A M		30450	D	
1333	30 RHO	VIR	12 39 21.180	+10 30 39.16	+0.0057	-0.095	4.88	2	4.97	2	5.00	2	A0V		100211		
1334	7	COM	12 13 48.840	+24 13 23.62	-0.0022	-0.012	4.88						K0III		82211		
1335	8 SIG	CAS	23 56 27.677	+55 28 35.99	+0.0009	+0.001	4.88	2	4.82	2	3.99	2	B1V		35947	D	
1336	10	LAC	22 37 00.772	+38 47 22.43	-0.0000	-0.000	4.88	2	4.68	2	3.63	2	O9V		72575	n	
1337	ZET	IND	20 46 02.971	-46 24 48.08	+0.0047	+0.027	4.885	1	6.400	1	8.255	1	GK5		230391		
1338	ALP	MIC	20 46 50.972	-33 57 58.21	+0.0008	-0.022	4.89	2	5.89	2	6.62	2	GG7		212472	n	
1339	DEL	PYX	08 53 22.783	-27 29 18.69	+0.0057	-0.105	4.89	2	4.99	2	5.12	2	A3V		176697	D	
1340	EPS	SCT	18 40 47.819	-08 19 34.55	+0.0014	+0.007	4.89	2	6.01	2			G8II		142546	D	
1341	58 ZET	ARI	03 12 01.326	+20 51 37.93	-0.0019	-0.071	4.89	2	4.87	2	4.86	2	A0IV-V		75810		
1342	72 RHO	CET	02 23 31.955	-12 30 54.30	-0.0012	-0.007	4.89	2	4.87	2	4.82	2	B9V		148385		
1343	OME	FOR	02 31 39.261	-28 27 04.49	-0.0017	-0.009	4.890	1	4.830	1	4.690	1	B9		167882	D	
1344	6 -F	CET	00 08 43.198	-15 44 32.63	-0.0056	-0.264	4.89	2	5.38	2			F6V		147133		
1345	114 -O	TAU	05 24 37.750	+21 53 45.83	+0.0002	-0.007	4.89	2	4.75	2	3.98	2	B3V		77184		
1346	ZET	PYX	08 37 37.909	-29 22 55.74	-0.0014	-0.100	4.89	2	5.79	2			GG4		176253	DV?	
1347	CHI	GEM	08 00 27.000	+27 56 10.14	-0.0019	-0.044	4.89						K2III		79896		
1348	L- 1	PUP	07 11 43.549	-45 05 42.29	-0.0024	-0.100	4.90	2	4.88	2			A SI		218546	V?	
1349	16	LYN	06 53 58.335	+45 09 40.72	-0.0021	-0.001	4.90	2	4.93	2	4.98	2	A2V		41463	V?	
1350	51 -B	ORI	05 39 53.374	+01 27 07.18	-0.0038	-0.014	4.90	2	6.07	2	7.13	2	K0III		113056		

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1351	46 XI AND	01 19 23.103	+45 16 02.86		+0.0030	+0.012	4.90	2	5.98	2	6.95	2	K0III-IV		17155		
1352	46 CET	01 23 09.632	-14 51 30.18		+0.0024	-0.015	4.90	2	6.13	2			K3III		147803		
1353	19 -H DRA	16 55 44.806	+65 12 39.19		+0.0371	+0.046	4.90	2	5.38	2	5.35	2	F6V		17291	V?	
1354	IOT TEL	19 31 30.714	-48 12 32.55		-0.0013	-0.036	4.90	2	5.99	2			G9III		229751		
1355	37 COM	12 57 52.994	+31 03 15.55		-0.0016	-0.012	4.90						G9?II-III		63288		
1356	VV CEP	21 55 14.453	+63 23 13.52		-0.0004	+0.006	4.90	2	6.65	2	7.03	2	M2IAFP		19753	V	
1357	50 RHO PEG	22 52 42.550	+08 32 55.88		+0.0052	+0.019	4.90	2	4.90	2	4.90	2	A1V		127839		
1358	-B- 1A CAR	08 55 45.016	-59 02 08.48		-0.0019	+0.005	4.90	1	4.739	1	4.089	1	B3IV		236436		29
1359	EPS CHA	11 57 06.727	-77 56 36.07		-0.0161	-0.005	4.910	1	4.750	1	4.690	1	B9VN		256894	D	
1360	PHI- 1 HYA	10 36 08.640	-16 36 59.36		-0.0073	+0.021	4.91	2	5.83	2			K0III		156122		
1361	-P CEN	12 47 57.957	-33 43 37.32		-0.0022	-0.023	4.91	2	4.87	2			A0IV		203863		
1362	ET VIR	14 08 06.328	-16 04 00.12		+0.0002	-0.011	4.91		6.61				GM3		158401	V	
1363	ETA APS	14 11 48.968	-80 46 30.92		-0.0111	-0.059	4.91	2	5.16	2	5.27	2	A2P		258603		
1364	72 CYG	21 32 43.840	+38 18 32.85		+0.0102	+0.101	4.91	2	5.99	2	6.99	2	K1III		71480		
1365	30 VUL	20 42 42.565	+25 05 26.59		-0.0023	-0.175	4.91	2	6.10	2	7.28	2	K2III		89084		
1366	60 HER	17 03 03.442	+12 48 29.08		+0.0034	-0.011	4.91	2	5.03	2	5.09	2	A3IV		102584	D	
1367	ZET TRA	16 23 03.880	-69 58 28.74		+0.0404	+0.101	4.91	2	5.46	2	5.49	2	G0V		253554		
1368	1 -I LUP	15 11 33.112	-31 20 01.92		-0.0004	-0.003	4.91	2	5.28	2	5.57	2	F0I		206445		
1369	45 ERI	04 29 19.048	-00 08 59.17		-0.0001	-0.007	4.91	2	6.22	2	7.65	2	K3II-III		131270		
1370	134 TAU	05 46 44.306	+12 38 13.65		-0.0014	-0.024	4.91	2	4.84	2	4.68	2	B9IV		94888		
1371	63 AUR	07 08 13.118	+39 24 14.81		+0.0038	+0.001	4.91						K4II-III		59866		
1372	71 OMI GEM	07 35 54.293	+34 42 03.15		-0.0026	-0.114	4.91	2	5.31	2	5.42	2	F3III		60247		
1373	65 -B- 2 GEM	07 26 42.249	+28 01 15.81		-0.0025	-0.026	4.92						K2III		79434	D	
1374	20 MON	07 07 44.624	-04 09 27.36		-0.0004	+0.214	4.92	2	5.95	2	6.73	2	K0III		134282		
1375	69 -F- 1 ORI	06 09 10.227	+16 08 36.85		+0.0006	-0.015	4.92	2	4.80	2	4.21	2	B5V		95365		
1376	1 AUR	04 46 32.387	+37 24 07.10		-0.0031	+0.039	4.92						K4III		57447		
1377	52 PHI TAU	04 17 16.436	+27 13 58.39		-0.0018	-0.078	4.92						K1III		76558	D	
1378	12 PER	02 39 04.982	+39 59 01.47		-0.0014	-0.184	4.92	2	5.51	2	5.65	2	F9V		55793	V?	
1379	104 A HER	18 10 01.172	+31 23 29.74		-0.0009	+0.023	4.92						GM3		66737	V?	
1380	28 -B- 2 CYG	20 07 34.092	+36 41 29.09		+0.0001	+0.016	4.92	2	4.80	2	4.02	2	B3VE		69518		
1381	24 PSI CYG	19 54 20.175	+52 18 19.76		-0.0045	-0.028	4.92	2	5.04	2	5.10	2	A3IV-V		32114	D	
1382	15 TAU PSA	22 07 13.298	-32 47 41.36		+0.0344	+0.015	4.92	2	5.40	2			DF5		213602		
1383	-C- 2 CEN	14 41 54.660	-34 58 52.58		+0.0002	-0.008	4.92	2	4.93	2	4.90	2	A1		205899		
1384	78 UMA	12 58 35.351	+56 38 07.77		+0.0134	-0.014	4.93	2	5.29	2	5.30	2	F2V		28601	DV?	
1385	XI TEL	20 03 33.869	-53 01 33.20		-0.0008	+0.010	4.930	1	6.540	1	8.370	1	M2III		246443		
1386	78 PEG	23 41 28.241	+29 05 04.11		+0.0054	-0.032	4.93	2	5.89	2	6.52	2	K0III		91457	D	
1387	90 -F HER	17 51 40.278	+40 00 58.78		+0.0006	+0.052	4.93						K3III		47037	D	
1388	19 DEL LIB	14 58 17.808	-08 19 18.19		-0.0045	-0.009	4.93	2	4.93	2	4.82	2	A0		140270	V	
1389	45 -C BOO	15 05 06.199	+25 03 46.28		+0.0136	-0.171	4.93	2	5.36	2	5.34	2	F5V		83671		
1390	15 PSI SCO	16 09 15.770	-09 56 10.17		-0.0006	-0.017	4.93	2	5.02	2	5.12	2	A2V		141022		
1391	-K PER	03 01 45.968	+56 30 40.39		-0.0019	+0.077	4.93						K0II-III		23791		
1392	DEL HOR	04 09 09.444	-42 07 23.02		+0.0169	+0.067	4.930	1	5.260	1	5.330	1	DF0		216682		
1393	-Y- 0 PUP	06 37 17.587	-48 10 28.82		+0.0002	+0.012	4.93	2	5.80	2	6.39	2	GG6		218093	D	128
1394	17 LEP	06 02 45.162	-16 28 46.70		-0.0009	-0.003	4.93	2	5.17	2			A2P		151093	V?	
1395	H PUP	07 02 35.650	-49 30 35.90		-0.0053	+0.146	4.93	2	5.07	2			A2M		208427		
1396	VZ CAM	07 20 40.983	+82 30 50.36		-0.0003	-0.041	4.93						GM4		1179	V	
1397	27 MON	07 57 14.251	-03 32 31.18		-0.0039	-0.008	4.93	2	6.14	2	7.35	2	K2III		135345		
1398	Q CAR	07 34 25.490	-52 25 17.59		+0.0019	-0.019	4.94	2	6.34	2	7.97	2	GK2		235336		
1399	3 MON	05 59 29.204	-10 35 49.89		-0.0009	-0.002	4.94	2	4.82	2	4.24	2	B5IV		151037	D	
1400	50 OME TAU	04 14 19.595	+20 27 25.70		-0.0031	-0.057	4.94	2	5.20	2	5.31	2	A M		76532		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1401	24 PER	02 55 57.291	+34 59 02.76		-0.0039	+0.010	4.94	2	6.19	2	7.47	2	K2III		56052		
1402	60 -B	02 10 04.462	+43 59 53.73		-0.0021	-0.008	4.94						K4III		37867	V?	
1403	53 TAU	01 37 37.096	+40 19 28.67		+0.0011	-0.021	4.94	2	4.85	2	4.44	2	B8IV		3741A	UV?	
1404	70 HER	17 18 50.498	+24 32 52.75		-0.0017	+0.001	4.94		4.900				A1V		45021		
1405	31 EPS	15 21 29.016	-10 08 37.90		-0.0048	-0.158	4.94	2	5.38	2	5.40	2	F5V		159234		
1406	8 KAP	23 24 22.087	+00 58 53.91		+0.0057	-0.092	4.94	2	4.98	2	4.94	2	A P		128186	V	
1407	AR	23 27 42.774	+58 16 23.29		+0.0024	+0.010	4.94	2	4.82	2	4.18	2	B3V		35478	DV	
1408	5 TAU	23 44 36.094	+58 22 24.18		+0.0079	+0.059	4.94						K1III		35763		
1409	31 COM	12 49 15.862	+27 48 44.73		-0.0010	-0.013	4.94	2	5.61	2	5.81	2	G0III		42537		
1410	31 BOO	14 39 11.282	+08 22 28.74		-0.0003	+0.000	4.94						G8III		120601	V?	
1411	6 -E	13 47 20.894	+21 30 41.73		+0.0012	+0.013	4.94						K4III		83015		
1412	78 -O	13 31 35.762	+03 54 54.36		+0.0028	-0.029	4.94	2	4.96	2	4.96	2	A2?	2	120004	V	
1413	CHI- 1	11 02 55.152	-27 01 23.86		-0.0142	-0.005	4.94	2	5.30	2	5.34	2	F4V		179514	D	
1414	-L	09 13 38.354	-38 21 38.67		-0.0060	-0.011	4.94						GK0		200159		
1415	29 PI - 1	14 38 22.485	+16 37 54.23		+0.0010	+0.011	4.942	2	4.902	2	4.582	2	A P		101138	UV?	11
1416	11 BOO	14 48 25.251	-02 05 30.76		+0.0054	-0.127	4.95	2	5.93	2	6.63	2	G8III-IV		140176		
1417	14 COM	12 23 54.154	+27 32 42.06		-0.0011	-0.013	4.95	2	5.22	2	5.40	2	F0P		23110		
1418	84 TAU	11 25 21.928	+03 07 54.52		+0.0011	-0.017	4.95	2	5.95	2	6.75	2	G8II-III		118875		
1419	22 CYG	19 54 04.405	+38 21 10.14		-0.0003	+0.003	4.95	2	4.86	2	4.34	2	B6III		69101		
1420	67 RHO	20 11 57.746	+15 02 38.36		+0.0040	+0.057	4.95	2	5.04	2	5.05	2	A2V		105878		
1421	45 OME- 1	20 28 30.540	+48 46 57.96		+0.0009	+0.011	4.95	2	4.86	2	4.23	2	B2V		49712	D	
1422	CL	15 56 36.000	+54 53 25.23		-0.0182	+0.108	4.95	2	5.21	2	5.25	2	F0IV		29727	V	
1423	8 IOT	01 54 36.827	+17 34 27.51		+0.0025	-0.016	4.95						K1P		22721		
1424	32 -L	03 18 05.008	+43 09 01.96		-0.0054	+0.001	4.95	2	4.99	2	5.06	2	A3V		38750	V?	
1425	46 PSI- 1	06 21 02.880	+49 18 56.91		-0.0001	-0.001	4.95		6.920	7			M0IAR		41076	V	
1426	4 OME	04 55 51.444	+37 48 59.98		+0.0035	-0.100	4.95	2	5.00	2	5.01	2	A0V		57548	D	
1427	29 UW	07 16 35.375	-24 27 58.78		-0.0008	-0.002	4.950	1	4.800	1	3.800	1	O7F		173444	V	
1428	10 FT	06 42 34.183	-31 01 04.81		-0.0016	+0.006	4.96						B3P		197149	DV	
1429	104 -M	05 04 29.507	+18 34 46.97		+0.0378	+0.019	4.96						G4V		94332	D	
1430	25 ORI	05 22 08.980	+01 48 07.84		-0.0003	-0.000	4.96	2	4.76	2	3.83	2	B1V?PE		112734	V?	
1431	IOT	04 00 29.261	-61 13 06.50		+0.0092	+0.095	4.960	1	6.380	1	8.080	1	GK4		248927		
1432	40 -O	03 39 11.977	+33 48 22.37		-0.0004	-0.007	4.96		4.940				B0.5V		56646	D	
1433	NU	01 12 55.906	-45 47 53.11		+0.0636	+0.190	4.960	1	5.540	1	5.640	1	F8V		215428		
1434	42 LIB	15 37 19.173	-23 39 25.48		-0.0013	-0.018	4.96	2	6.29	2	7.80	2	GK4		183686		
1435	106 HER	18 18 10.896	+21 56 19.62		+0.0011	-0.056	4.96	2	6.54	2	8.54	2	GM0		85941		
1436	DEL- 1	18 28 03.189	-45 57 02.61		-0.0007	-0.030	4.96	2	4.85	2			B6IV		229092		
1437	39 KAP	19 34 12.072	-07 08 24.73		+0.0000	-0.004	4.96	2	4.96	2	4.09	2	B0.5III		143600	V?	
1438	12 VUL	19 48 54.839	+22 28 53.99		+0.0015	-0.017	4.96	2	4.84	2	4.15	2	B3VE		87813		
1439	15 LAM	18 58 07.566	+32 28 28.02		+0.0008	+0.013	4.96						K3II		67682		
1440	17 VUL	20 04 44.396	+23 28 08.95		+0.0010	+0.005	4.96						B3V		88212		
1441	20 PSI	23 43 32.875	+46 08 33.54		+0.0009	-0.000	4.96		6.100				G5IB		53355		
1442	16 -C	12 17 48.540	+03 35 27.07		-0.0196	-0.070	4.96	2	6.12	2	7.27	2	K1III		119341	V?	
1443	35 COM	12 50 50.075	+21 30 58.99		-0.0034	-0.027	4.97						G8III+F6		82550		
1444	52 -L	14 25 14.277	-29 16 04.77		-0.0019	-0.026	4.97	2	4.90	2	4.49	2	B8IV		182570	DV?	
1445	R	13 26 58.482	-23 01 24.51		-0.0041	+0.011	4.970	1	6.580	1	7.260	1	GM7E		181695	DV	79
1446	18 OME	09 03 20.485	+05 17 35.72		-0.0012	-0.010	4.97	2	6.19	2	7.40	2	K2II-III		117420		
1447	2 CYG	19 22 09.199	+29 31 20.47		+0.0011	+0.014	4.97	2	4.88	2	4.16	2	B3IV		87159		
1448	21 ETA	16 18 56.288	+75 52 16.64		-0.0232	+0.250	4.97						DA8		8470		
1449	41 AND	01 05 08.012	+43 40 34.86		+0.0152	-0.054	4.97						A2M?		36950		
1450	XI	05 53 46.567	-37 07 37.07		+0.0021	-0.026	4.97	2	6.08	2			G6B		196316		

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TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1451	57 A	GEM	07 20 25.700	+25 08 54.35	-0.0050	-0.025	4.97						G8III		79352		
1452	57 GAM- 2	AND	02 00 49.967	+42 05 31.35	+0.0033	-0.051	4.979	1	6.189	1	7.109	1	A0P		37735	D	2
1453	54	PER	04 17 09.476	+34 26 52.30	-0.0019	-0.003	4.98						G8III		57171		
1454	KQ	PUP	07 31 30.073	-14 24 52.04	-0.0013	-0.000	4.98	2	6.38	2			M2IABEP+B2	7	153072	V	
1455	83 PHI	GEM	07 50 26.354	+26 53 48.68	-0.0026	-0.034	4.98	2	5.07	2	5.18	2	A3V		79774		
1456	6	HYA	08 37 39.279	-12 17 51.03	-0.0061	-0.006	4.98	2	6.40	2			K4III		154515		
1457	111	TAU	05 21 30.232	+17 20 19.58	+0.0172	-0.008	4.98	2	5.520				F8V		94526		
1458	14 IOT	CRB	15 59 26.313	+29 59 23.42	-0.0023	-0.010	4.98	2	4.91	2	4.71	2	A0II-III		84152	V?	
1459	2 ETA	CRB	15 21 08.253	+30 28 02.35	+0.0104	-0.191	4.98	2	5.56	2	5.60	2	G2V+G2V		64673	D	51
1460	35 NU - 2	SGR	18 52 05.766	-22 44 08.19	+0.0074	-0.026	4.98	2	6.30	2	7.80	2	K3P		187445		
1461	107 -T	HER	18 19 03.898	+28 50 41.92	+0.0002	-0.050	4.98						A4		85957	V?	
1462	70	VIR	13 25 59.001	+14 02 42.77	-0.0164	-0.581	4.98	2	5.69	2	5.95	2	G5V		100582		
1463	95 PSI- 3	AQR	23 16 21.648	-09 53 03.68	+0.0030	+0.003	4.98	2	4.96	2			A0V		146635	UV?	
1464	14	PEG	21 47 37.796	+29 56 26.28	+0.0013	-0.024	4.98		4.930				A0V		00040		
1465	UPS	PSA	22 05 30.682	-34 17 18.22	+0.0006	-0.045	4.99		6.470				GM1		213577		
1466	31	PEG	22 19 03.314	+11 57 09.63	+0.0006	+0.012	4.99	2	4.89	2	4.08	2	B2VE		107854		
1467	68 A	CYG	21 16 35.131	+43 44 05.23	-0.0001	-0.006	4.99		4.990				O8		50600		
1468	29 -B- 3	CYG	20 12 39.579	+36 39 07.85	+0.0054	+0.071	4.99	2	5.11	2	5.10	2	A2P		69678		
1469	L	CAR	10 21 29.054	-66 38 53.57	-0.0040	-0.001	4.99	2	4.86	2	4.35	2	B8		250940		
1470	59 -C	LEO	10 58 09.323	+06 22 13.55	-0.0034	-0.029	4.99	2	5.15	2	5.26	2	A2		118615	D	
1471	39 -B	DRA	18 23 10.673	+58 46 16.50	-0.0057	+0.061	4.99	2	5.07	2	5.12	2	A1V		30949	D	
1472	4	AQL	18 42 18.447	+02 00 27.21	+0.0004	-0.017	4.99		4.920				B9V		123879	V?	
1473	63 THE- 2	SCA	18 53 45.420	+04 08 07.70	+0.0031	+0.027	4.99		5.190				A5N		124070	D	
1474	9	VUL	19 32 23.047	+19 39 46.38	+0.0005	+0.003	4.99	2	4.92	2	4.49	2	B7V		104990	D	
1475	17	CYG	19 44 31.601	+33 36 36.80	+0.0014	-0.445	4.99	2	5.45	2	5.45	2	F5V		68827	D	
1476	GAM- 1	NOR	16 13 15.670	-49 56 42.44	-0.0003	-0.005	4.99	2	5.79	2	6.30	2	F8IAP		226619		
1477	20	PUP	08 11 02.019	-15 38 10.95	-0.0014	-0.007	4.99	2	6.06	2			G5II		153903		
1478	24	LYN	07 38 47.235	+58 49 47.02	-0.0047	-0.052	4.99	2	5.07	2	5.16	2	A3III		26474	D	
1479	2 EPS	CMi	07 22 54.913	+09 22 34.68	-0.0005	-0.013	4.99	2	6.00	2	6.78	2	G8III		115425		
1480	64 -B- 1	GEM	07 26 13.626	+28 13 22.79	-0.0030	-0.058	4.99		5.100				A6V		79427		
1481	BET	HOR	02 57 50.778	-64 16 10.53	+0.0032	+0.016	4.99	2	5.12	2	5.27	2	A5V		248701		
1482	46 OME	CAS	01 52 04.895	+68 26 26.88	+0.0020	-0.008	4.99		4.900				B8		12038	V?	
1483	34 PHI	CAS	01 16 55.101	+57 58 10.08	+0.0000	+0.003	4.99	2	5.67	2	6.16	2	F0IA		22191	D	
1484	20 PI	CAS	00 40 41.422	+46 45 05.30	-0.0021	-0.029	4.99		4.99				A5		36602	V?	
1485	KAP- 2	TUC	01 14 04.616	-69 08 28.63	+0.0758	+0.112	4.996	2	5.466	2	5.496	2	F6V		248346	D	156
1486	82 -G	PSC	01 08 20.886	+31 09 33.62	-0.0009	-0.009	5.00						A7		54493		
1487	25 NU	CAS	00 45 59.270	+50 41 45.47	+0.0036	-0.001	5.00		4.890				B9		21729	V?	
1488	DEL	FOR	03 40 15.499	-32 05 49.36	+0.0004	+0.017	5.000	1	4.840	1	4.240	1	B5		194467		
1489	65	AUR	07 18 42.354	+36 51 23.47	-0.0074	-0.026	5.00						G8III		60010	D	
1490	18 MU	CMR	06 53 49.103	-13 58 38.75	-0.0005	+0.002	5.00						G5+A2		152123	D	
1491	19	MON	07 00 25.747	-04 09 54.91	-0.0011	-0.001	5.00	2	4.80	2	3.87	2	B1V		134106	V?	
1492	109 -N	TAU	05 16 16.174	+22 02 47.81	+0.0008	-0.081	5.00						G8III		77097		
1493	23 -M	ORI	05 20 12.177	+03 29 52.42	-0.0005	-0.001	5.00	2	4.85	2	3.98	2	B1V		112697	D	
1494	9	AUR	05 02 45.294	+51 32 01.11	-0.0030	-0.172	5.00	2	5.34	2	5.33	2	F0V		25019	D	
1495	30 XI	AUR	05 50 39.215	+55 41 52.55	-0.0014	+0.022	5.00	2	5.05	2	5.17	2	A2P?		25450		
1496	NU - 1	LUP	15 18 38.610	-47 44 50.48	-0.0135	-0.139	5.00	2	5.50	2			DF7		225703		
1497	11 GAM- 1	UMI	15 17 07.110	+72 00 19.07	+0.0003	+0.009	5.00						K4III		8207		
1498	44 SIG	AQL	19 36 43.517	+05 16 56.88	-0.0001	+0.001	5.0		5.040	7			B3V		124903	DV	
1499	8 ZET	SGE	19 46 45.415	+19 00 55.53	+0.0014	+0.031	5.00	2	5.10	2	5.16	2	A3V		105298	D	
1500	20 -D	CYG	19 49 22.412	+52 51 37.60	-0.0015	-0.066	5.00						K3III		32042	V?	

TABLE 5 CONTINUED
 STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1501	17 LYR	19 05 32.035	+32 25 18.11		+0.0100	+0.023	5.00						DA7		67835	D	
1502	56 UMA	11 20 05.352	+43 45 26.32		-0.0033	-0.013	5.00	2	5.98	2	6.78	2	G8II		43719		
1503	67 UMA	11 59 34.787	+43 19 22.85		-0.0297	+0.070	5.00						A M		44002		
1504	10 LEO	09 34 34.351	+07 03 39.18		-0.0041	-0.002	5.00	2	6.05	2	6.92	2	K1III		117807	V?	
1505	R LEO	09 44 52.230	+11 39 41.87		+0.0001	-0.046	5.0						GM8F		98769	V	
1506	R APS	14 52 06.820	-76 27 40.64		-0.0201	-0.015	5.0						GM0		257212	V	
1507	14 CVN	13 03 24.273	+36 03 57.55		-0.0027	+0.017	5.00		4.920				B9V		63338	V?	
1508	F CEN	12 16 19.093	-54 51 54.91		-0.0085	-0.021	5.00	2	6.59	2	8.54	2	GM3		239838		
1509	16 COM	12 24 29.411	+27 06 08.63		-0.0005	-0.015	5.00	2	5.08	2	5.21	2	A4V		82314		
1510	74 CYG	21 34 56.508	+40 11 17.55		-0.0005	+0.017	5.00						A4		51101		
1511	102 OME- 1	23 37 11.538	-14 29 54.40		+0.0037	-0.034	5.00		5.240				A5		165818		
1512	ETA TUC	23 54 58.492	-64 34 33.31		-0.0142	-0.065	5.00	2	5.06	2	5.14	2	A2		255609		
1513	ZET SCL	23 59 46.260	-29 59 57.06	N	+0.0008	+0.004	5.000	1	4.840	1	4.270	1	B4III			D	141
1514	8 BET- 2	16 02 31.857	-19 40 00.07		-0.0014	-0.023	5.004	1	4.978	1	4.064	1	B2V		159643	DV?	139
1515	30 -G HER	16 26 59.842	+41 59 26.71		+0.0021	-0.003	5.01	2	6.53	2	7.70	2	M6III		46108	V	
1516	15 A DRA	16 28 04.164	+68 52 34.82		-0.0058	+0.034	5.01	2	4.95	2	4.84	2	B9IV		17107		
1517	10 THE PSA	21 44 48.411	-31 07 50.65		-0.0018	+0.001	5.01	2	5.05	2			A2IIIN		213292	D	
1518	23 CYG	19 52 15.844	+57 23 30.98		+0.0006	+0.015	5.01		4.880				B5V		32085		
1519	28 VUL	20 36 21.123	+23 56 22.38		+0.0007	+0.001	5.01						B5V		88945		
1520	L VEL	09 32 24.600	-51 01 56.19		-0.0016	-0.017	5.01	2	4.82	2			B3		237107		
1521	36 UMA	10 38 33.383	+65 58 44.21		-0.0268	-0.076	5.01						K2III		15261	V?	
1522	41 LMI	10 40 42.018	+23 27 02.52		-0.0085	+0.004	5.01		5.050				A2V		81490		
1523	ETA- 2	06 11 08.481	-65 34 39.16		-0.0040	+0.113	5.01	2	6.62	2	8.47	2	GM3		249469	V?	
1524	ETA- 2	05 03 40.155	-49 38 41.40		+0.0064	-0.001	5.01	2	6.47	2			M2III		217164	V?	
1525	C VEL	08 33 12.026	-49 46 16.11		+0.0004	+0.017	5.01	2	6.34	2	7.72	2	C67		220138		
1526	KAP HYI	02 22 33.336	-73 52 19.85		-0.0191	+0.013	5.01	2	6.10	2	7.14	2	K0III		255880		
1527	14 ARI	02 06 34.182	+25 42 15.50		+0.0056	-0.034	5.01						F2III		75171		
1528	62 -C AND	02 16 02.464	+47 09 01.73		-0.0058	-0.003	5.02						A1		37948		
1529	-G VEL	08 48 03.857	-45 07 15.27		+0.0003	+0.014	5.02						A2		220540		
1530	42 CAM	06 45 44.874	+67 37 48.63		+0.0012	+0.003	5.02						B3IV		13973		
1531	58 PSI- 7	06 47 13.920	+41 50 32.27		-0.0021	-0.132	5.02	2	6.29	2	7.64	2	K3III		41380	D	
1532	21 SIG AUR	05 21 15.060	+37 20 26.65		+0.0001	-0.008	5.02						K4III		57981		
1533	THE COL	06 05 48.671	-37 14 41.28		-0.0003	+0.000	5.02	2	4.91	2			B9		196514		
1534	55 PSI- 4	06 39 26.746	+44 34 29.10		-0.0041	-0.029	5.02	2	6.50	2	8.33	2	K5III		41288		
1535	-T VEL	10 30 50.030	-46 44 43.18		-0.0014	+0.000	5.02	2	6.06	2			K4III		222136	D	
1536	CU VIR	14 09 43.750	+02 38 38.06		-0.0034	-0.031	5.02	2	4.90	2	4.46	2	A SI		120339	DV	
1537	7 KAP DEL	20 36 42.005	+09 54 31.97		+0.0215	+0.021	5.02	2	5.76	2	5.95	2	G5IV		126059	D	
1538	OMI PAV	21 08 41.303	-70 19 55.94		+0.0090	-0.027	5.02	2	6.60	2	8.15	2	M2III		257896		
1539	15 LAC	22 49 46.387	+43 02 46.84		+0.0098	+0.033	5.02						GM0		52436	D	
1540	52 NU - 1	15 29 07.882	+41 00 09.24		+0.0006	-0.010	5.02	2	6.61	2	8.52	2	K5III		45580		
1541	53 NU - 2	15 29 59.475	+41 04 05.26		-0.0019	-0.012	5.02	2	5.09	2	5.20	2	A3		45590	D	
1542	16 LYR	19 00 01.391	+46 51 46.94		+0.0014	-0.083	5.02	2	5.21	2	5.30	2	A7		48011	D	
1543	LAM TEL	18 54 27.986	-53 00 22.78		+0.0014	-0.000	5.03						B9III		245834		
1544	43 -D SGR	19 14 42.594	-19 02 37.10		-0.0008	-0.015	5.03						G8II		162413		
1545	47 CHI- 1	19 22 14.012	-24 36 26.63		+0.0041	-0.054	5.03	2	5.26	2			DA5		188101	D	
1546	45 LAM LIB	15 50 25.602	-20 01 08.70		-0.0008	-0.027	5.03	2	5.02	2			B3V		183895		
1547	-E OPH	17 16 15.803	+10 55 02.22		+0.0003	-0.092	5.03	2	6.58	2	8.48	2	K4II-III		102725		
1548	63 KAP AGR	22 35 10.024	-04 29 11.39		-0.0047	-0.114	5.03	2	6.17	2	7.33	2	K2III		146210		
1549	81 PHI PEG	23 49 56.428	+18 50 33.39		-0.0003	-0.030	5.03						GM2		198878		
1550	RHO PAV	20 33 24.831	-61 42 13.15		+0.0084	-0.065	5.03						62F5		254835	V?	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1551	19 AUR	05 16 42.951	+33 54 27.90		-0.0002	-0.010	5.03	2	5.30	2	5.74	2	A5III		57906	V?	
1552	31 PER	03 15 33.377	+49 54 50.23		+0.0024	-0.022	5.03	2	4.97	2	4.44	2	R5V		38714		
1553	79 -B TAU	04 26 01.921	+12 56 18.33		+0.0074	-0.012	5.03	2	5.26	2	5.38	2	A6N		93960		
1554	12 KAP ARI	02 03 45.688	+22 24 39.37		+0.0013	-0.031	5.03		5.140				A M		75146		
1555	4 -G PER	01 58 57.336	+54 14 49.01		+0.0040	+0.003	5.04	2	4.96	2	4.64	2	B8V		22859		
1556	-Q- 2 ERI	01 44 12.016	-53 46 20.62		+0.0150	+0.073	5.04	2	5.08	2			AN		232520		
1557	52 CHI AND	01 36 20.383	+44 07 57.43		-0.0020	+0.016	5.04						G8II		37406		
1558	22 AND	00 07 42.744	+45 47 38.93		+0.0006	+0.005	5.04	2	5.44	2	5.70	2	F2II		36123		
1559	74 -K ORI	06 13 38.093	+12 17 16.13		+0.0055	+0.185	5.04	2	5.46	2	5.44	2	F5IV-V		95476	D	
1560	125 TAU	05 36 38.170	+25 52 15.39		+0.0015	-0.022	5.04	2	5.23	2	5.39	2	B2V		77360		
1561	2 MON	05 56 41.802	-09 33 37.00		+0.0007	-0.054	5.04	2	5.37	2	5.46	2	A M		152715		
1562	4 PUP	07 43 38.664	-14 26 27.59		-0.0014	+0.003	5.04	2	5.170				A6N		153372		
1563	2 AND	23 00 17.854	+42 29 18.86		+0.0048	-0.000	5.04						A2		52623	D	
1564	72 PEG	23 31 28.032	+31 02 57.19		+0.0040	-0.011	5.04						K4III		73341	D	
1565	19 IX PSC	23 43 50.103	+03 12 33.74		-0.0024	-0.015	5.04	2	7.65	2	11.15	2	C6-2		128374	V	136
1566	24 SCO	16 38 40.639	-17 38 49.50		-0.0016	-0.004	5.04						G8II		160046		
1567	99 -B HER	18 05 07.529	+30 33 12.96	C	-0.0075	+0.071	5.04	2	5.56	2	5.46	2	F7V		66648	D	
1568	9 BOO	13 54 17.174	+27 44 11.48		+0.0020	-0.052	5.04						K3III		83084	V?	
1569	6 CVN	12 23 23.345	+39 17 44.80		-0.0070	-0.037	5.04						G8III-IV		63000		
1570	53 VIR	13 09 23.596	-15 55 45.72		+0.0065	-0.292	5.04	2	5.50	2	5.52	2	F6IV		157788		
1571	KAP CHA	12 02 09.732	-76 14 28.66		-0.0211	+0.044	5.04	2	6.53	2	8.31	2	GK3		256899		
1572	47 UMA	10 56 40.348	+40 41 51.77		-0.0281	+0.051	5.05	2	5.66	2	5.79	2	GOV		43557		
1573	38 KAP HYA	09 37 54.469	-14 06 16.63		-0.0022	-0.024	5.05	2	4.90	2	4.32	2	B5V		155388		
1574	8 GAM SEX	09 50 01.878	-07 52 07.35		-0.0040	-0.045	5.05	2	5.09	2	5.15	2	A2		137199	D	
1575	IOT- 1 MUS	13 21 07.877	-74 37 32.17		-0.0263	-0.133	5.05	2	6.16	2	7.17	2	GK0		257041		
1576	27 -F DRA	17 32 09.543	+68 10 01.19		-0.0031	+0.134	5.05	2	6.13	2	7.05	2	K0III		17526		
1577	2 MU Lyr	18 22 34.868	+39 28 43.85		-0.0019	-0.007	5.05		5.080				A3III		66943		
1578	ETA TEL	19 18 49.411	-54 31 07.68		+0.0021	-0.069	5.05	2	5.07	2			A0		246055		
1579	7 -B PSC	23 17 47.637	+05 06 29.24		+0.0054	-0.056	5.05	2	6.25	2	7.37	2	K2III		128126		
1580	61 -G SGR	19 55 06.936	-15 37 32.32		+0.0009	-0.098	5.05						A2IV		163141		
1581	22 LAM CEP	22 09 48.556	+59 10 02.66		+0.0001	-0.006	5.05	2	5.29	2	4.55	2	O6F		34149		
1582	10 MON	06 25 29.351	-04 43 47.03		-0.0007	-0.000	5.05	2	4.87	2	4.10	2	B2V		133290		
1583	BET CAE	04 40 17.269	-37 14 27.52		+0.0032	+0.194	5.05	2	5.42	2			F8V		195239		
1584	6 IOT TRI	02 09 27.759	+30 04 10.90		-0.0049	-0.059	5.05						G5III		55347	D	
1585	36 A- 1 OPH	17 12 16.173	-26 31 47.28		-0.0369	-1.132	5.053	2	5.913	2	6.403	2	K0V		185198	D	108
1586	51 HER	16 49 40.785	+24 44 21.21		+0.0009	+0.005	5.06						K2II-III		84651		
1587	5 SCP	15 16 45.435	+01 57 11.93		+0.0247	-0.518	5.06	2	5.60	2	5.66	2	F8IV-V		120946		
1588	25 OME- 1 AQL	19 15 28.107	+11 30 13.93		+0.0000	+0.016	5.06						A3		104691		
1589	36 XI - 1 SGR	18 54 22.208	-20 43 24.44		-0.0001	-0.007	5.06	2	5.39	2			AN?		187498		
1590	55 -E SGR	19 39 39.567	-16 14 33.95		+0.0044	-0.010	5.06						F0II		162915		
1591	56 -F SGR	19 43 26.803	-19 52 58.53		-0.0093	-0.087	5.06						K1III		162964		
1592	46 -C DRA	18 41 39.779	+55 29 17.62		-0.0009	+0.024	5.06						A0SI		31119	V?	
1593	4 EPS- 1A Lyr	18 42 40.873	+39 37 00.09		+0.0011	+0.059	5.06	2	5.63	2	5.75	2	A2		67310	D	
1594	94 CET	03 10 13.156	-01 22 54.84		+0.0129	-0.063	5.06		5.260				F8V		130355	D	
1595	14 KW AUR	05 12 08.792	+32 37 54.25		-0.0019	+0.014	5.06	2	4.98	2	4.77	2	A9V		57709	DV	
1596	NU DOR	06 09 03.543	-68 49 58.38		-0.0093	+0.019	5.06						B8V		249461	D	
1597	56 GEM	07 18 59.879	+20 32 22.78		-0.0046	-0.030	5.06						GM0		79328		
1598	-T PUP	06 56 35.185	-34 02 33.48		-0.0017	+0.014	5.06	2	4.90	2			B5		197427		
1599	16 CEP	21 58 32.543	+72 56 30.37		-0.0162	-0.154	5.06						F5V		10216		
1600	92 CHI AUR	23 14 15.451	-07 59 58.34		-0.0013	-0.011	5.06	2	6.66	2	8.26	2	GM5		146612	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
1601	77 PEG	23 40 49.519	+10 03 13.86		+0.0004	+0.017	5.06	2	6.74	2	8.77	2	G2		108700	V?	
1602	K CEN	13 26 20.569	-50 54 24.80		-0.0001	-0.021	5.06	2	5.13	2			A2		240883		
1603	EPS APS	14 16 13.098	-79 52 48.41		-0.0065	-0.012	5.06	2	4.96	2	4.40	2	B3V		257142		
1604	21 MU DRA	17 04 17.357	+54 32 07.94		-0.0091	+0.084	5.062						DF6+DF6		30240	D	67
1605	7 ZET- 2 CRB	15 37 29.590	+36 47 49.58		-0.0014	-0.009	5.07		4.950				B7V		64834	D	50
1606	4 CG DRA	12 27 55.835	+69 28 40.78		-0.0117	-0.055	5.07		6.68	7			GM4		15816	V	
1607	6 DRA	12 32 37.661	+70 17 49.65		-0.0068	-0.003	5.07						GK2		7600		
1608	46 UMA	10 52 58.514	+33 46 27.52		-0.0088	-0.032	5.07						K1III		62314		
1609	16 PEG	21 50 47.084	+25 41 20.87		+0.0006	+0.002	5.07		4.890				B3V		90075		
1610	74 -F GEM	07 36 35.413	+17 47 24.19		+0.0004	+0.001	5.07						GM0		97120	V?	
1611	62 OMI- 1 CMC	08 54 27.731	+15 30 56.32		+0.0039	+0.013	5.07						A3		98247		
1612	DEL CAE	04 29 18.117	-45 03 36.59		+0.0003	-0.001	5.07	2	4.88	2			B3V		216850		
1613	-P ERI	01 37 54.263	-56 26 52.43		+0.0337	+0.027	5.07	2	5.95	2			K0V		232400	D	
1614	LAM HYI	00 46 51.740	-75 11 43.48		+0.0356	-0.027	5.070	1	6.340	1	8.120	1	M1III		255710		
1615	38 UV ARI	02 42 13.841	+12 14 11.49		+0.0082	-0.080	5.08		5.30	7			A7IV		93083	V	
1616	51 BG GEM	07 10 30.024	+16 14 43.74		+0.0010	-0.044	5.08						M4III		96638	V	
1617	43 THE- 2 ORI	05 32 55.449	-05 26 50.72		-0.0003	+0.005	5.08	2	4.97	2	4.03	2	O9.5VP		132321	DV?	
1618	51 MU CAP	21 50 34.305	-13 47 16.98		+0.0212	+0.014	5.08	2	5.45	2			F0V		164713		
1619	16 ETA SGE	20 02 56.348	+19 50 47.52		+0.0020	+0.083	5.08						K2III		105659		
1620	56 CYG	20 48 18.237	+43 52 12.60		+0.0113	-0.137	5.08						A4M?		50121		
1621	4 CAS	23 22 36.330	+62 00 29.34		+0.0013	-0.006	5.08						M1III		20614		
1622	94 A AQR	23 16 28.940	-13 43 52.31		+0.0202	-0.098	5.08	2	5.88	2			G5IV-V		165625	D	
1623	49 UMA	10 58 02.642	+39 28 51.78		-0.0064	-0.024	5.08	2	5.32	2	5.49	2	F0M		62354		
1624	44 HYA	10 31 38.019	-23 29 12.97		-0.0009	+0.017	5.08	2	6.68	2			K4III		178979	D	
1625	48 LEO	10 32 11.541	+07 12 42.41		-0.0072	+0.057	5.08	2	6.01	2	6.65	2	G8II-III		118376		
1626	-U VEL	09 48 00.448	-45 29 55.44		-0.0030	+0.002	5.08	2	4.98	2			B7		221523	D	
1627	COM	12 13 27.855	+15 10 38.40		-0.0058	-0.032	5.08		5.130				A2V		100012		
1628	5 RHO- 3 OPH	16 22 34.963	-23 20 01.41		+0.0002	-0.021	5.088	2	5.308	2	4.758	2	B3IV		194382	D	111
1629	KAP NOR	16 09 31.393	-54 30 11.60		+0.0002	-0.027	5.09						G4III		243454	D	
1630	KAP TRA	15 50 31.428	-68 27 23.27		-0.0009	-0.014	5.09	2	6.22	2	7.15	2	CG6		253342		
1631	10 SCP	15 26 06.505	+02 00 51.98		-0.0058	-0.042	5.09						A5		121020		
1632	DEL CIR	15 12 52.996	-60 46 24.98		-0.0017	-0.012	5.09	2	5.03	2	4.12	2	O9V		253084	D	
1633	35 DRA	17 51 40.964	+76 58 15.03		+0.0105	+0.246	5.09						F6IV-V		8949		
1634	13 LAM CRT	11 20 52.949	-18 30 18.07		-0.0222	+0.039	5.09	2	5.51	2	5.45	2	F5IV		156646		
1635	46 -C- 1 CAP	21 42 20.376	-09 18 47.02		+0.0012	-0.002	5.09	2	6.20	2	7.14	2	G8II-III		145677		
1636	20 RHO AUR	05 18 15.828	+41 45 24.75		+0.0015	-0.032	5.09		4.910				B5V		40269		
1637	27 -P ORI	05 21 56.259	-00 56 16.14		-0.0007	+0.133	5.09	2	6.05	2	6.73	2	K0III		132070		
1638	ALP MEN	06 11 43.975	-74 44 12.46		+0.0310	-0.211	5.09	2	5.81	2	6.14	2	G5V		256274		
1639	49 AUR	06 32 03.125	+28 03 47.31		+0.0003	-0.018	5.09		5.060				B9.5V		78524		
1640	77 XI CMC	09 06 29.235	+22 14 55.95		+0.0002	-0.000	5.09						K0III		80666		
1641	F VEL	08 26 14.281	-52 55 20.63		-0.0078	+0.012	5.09	2	5.34	2			DF3		236002		
1642	N PUP	07 55 41.224	-43 58 27.87		-0.0002	+0.007	5.09	2	4.92	2			B3		219197	D	
1643	28 BU TAU	03 46 12.391	+23 59 07.56		+0.0010	-0.047	5.09	2	5.01	2	4.73	2	B8P		76229	V	
1644	36 A- 2 OPH	17 12 16.220	-26 31 52.28		-0.0345	-1.141	5.093	2	5.953	2	6.443	2	K1V		185199	D	100
1645	96 HER	18 00 14.715	+20 49 55.57		+0.0003	-0.011	5.10		5.000				B3V		85672		
1646	54 OMI AQL	19 48 37.857	+10 17 21.17		+0.0162	-0.138	5.10						F8V		105338	D	
1647	26 -F AQL	19 17 52.720	-05 30 38.65		+0.0075	+0.048	5.10						G8III-IV		143286		
1648	42 -N PER	03 46 22.612	+32 56 22.93		-0.0023	+0.001	5.10		5.180				A2V		56727		
1649	75 TAU	04 25 34.659	+16 14 58.50		+0.0004	+0.029	5.10						K2III		93950	V?	
1650	21 LT PER	02 54 14.716	+31 44 03.08		-0.0001	-0.029	5.10		5.090				A SI		56031	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1651	27 RHO AND	00 18 28.790	+37 41 30.68		+0.0051	-0.034	5.10						F5IV		23828		
1652	-F VEL	08 48 51.592	-46 20 28.98		-0.0006	-0.003	5.10	2	4.89	2	3.91	2	B0III		220561	n	
1653	L- 2 PUP	07 12 00.687	-44 33 26.39		+0.0098	+0.330	5.10	1	6.660	1	7.950	1	GM5E		218549	OV	125
1654	26 GEM	06 39 29.620	+17 41 45.37		+0.0004	-0.089	5.10		5.160				A2V		26015		
1655	EPS OCT	22 14 32.560	-80 41 24.35		+0.0199	-0.039	5.10	2	6.57	2	7.66	2	M6III		258928	V	
1656	MU - 2 GRU	22 13 26.498	-41 52 36.93		-0.0006	-0.009	5.10	2	6.02	2			G65		231063		
1657	IOT MIC	20 45 06.202	-44 10 20.19		+0.0173	-0.104	5.10	2	5.45	2			F1V		230379	n	
1658	32 VUL	20 52 25.638	+27 51 59.34		-0.0002	+0.002	5.10						K4III		29272	V?	
1659	15 UPS CAP	20 37 12.309	-18 18 57.79		-0.0015	-0.018	5.10		6.740				M2III		163779		
1660	30 BET SEX	10 27 44.099	-00 22 47.84		-0.0028	-0.026	5.10	2	4.96	2	4.43	2	B6V		137608		86
1661	15 LMI	09 45 22.443	+46 15 18.13		+0.0216	-0.095	5.10	2	5.72	2	5.80	2	G1V		43046		23
1662	16 ZET- 1 CMC	08 09 20.753	+17 47 59.93	L	+0.0047	-0.139	5.10	2					FRV+G0		97645	D	
1663	12 PUP	07 56 56.986	-23 10 24.06		-0.0012	-0.002	5.11	2	6.23	2			CK2		174932		
1664	8 CNC	08 02 17.441	+13 15 43.55		-0.0024	-0.069	5.11		5.110				A0IV		27542		
1665	UPS- 2 PUP	07 16 51.454	-36 39 00.67		-0.0007	+0.001	5.11	2	4.95	2	4.28	2	B3V		197837		
1666	68 GEM	07 30 45.308	+15 56 08.79		-0.0013	-0.015	5.11		5.160				A1V		27016		
1667	EPS DOR	05 49 56.616	-66 54 49.44		-0.0026	+0.014	5.11	2	4.97	2	4.48	2	B5		249368	V?	
1668	97 -I TAU	04 48 26.754	+18 45 23.40		+0.0058	-0.035	5.11	2	5.32	2	5.44	2	DA5		24164	V	
1669	PHI PHE	01 52 17.583	-42 44 30.17		-0.0034	-0.028	5.11	2	5.05	2	4.91	2	A0		215697		
1670	MU HOR	03 02 25.945	-59 55 52.17		-0.0093	-0.061	5.11	2	5.45	2			DF2		232981		
1671	47 ERI	04 31 46.974	-08 20 04.58		-0.0022	+0.005	5.11	2	6.81	2	8.83	2	GM3		131315	V?	
1672	4 -S TAU	03 27 40.267	+11 09 58.68		-0.0007	-0.015	5.11		5.080				B9.5V		23463		
1673	SIG ERI	03 51 44.547	-34 52 45.21		+0.0027	-0.011	5.11	2	4.98	2			B6IV		104608		
1674	ZET CHA	09 35 25.737	-80 43 01.90		-0.0168	+0.007	5.11	2	4.97	2	4.40	2	B5IV		258538		
1675	J VEL	09 24 40.297	-53 09 41.95		-0.0011	-0.001	5.11	2	5.00	2			B5N		236972		
1676	11 HYA	11 46 13.287	-26 28 17.95		-0.0025	-0.015	5.11		6.69				M4III		180208	V	
1677	45 PSI HYA	13 06 21.343	-22 51 04.21		-0.0017	-0.043	5.11						GK1		191410		
1678	89 VIR	13 47 08.966	-17 53 09.12		-0.0071	-0.041	5.11						K1III		158186		
1679	69 AQL	20 27 02.213	-03 03 11.13		+0.0046	-0.017	5.11						K2III		144495		
1680	19 CEP	22 03 36.232	+62 02 10.44		+0.0001	+0.005	5.11	2	5.10	2	4.36	2	09.5IB		19849	D	
1681	57 GZ PEG	23 06 59.919	+08 24 21.18		+0.0002	+0.008	5.11	2	6.58	2	7.58	2	M4IIIAS	7	128001	OV	
1682	PI PSA	23 00 44.085	-35 01 12.70		+0.0058	+0.085	5.11		5.410				F0IV		214275	V	
1683	GAM- 1 OCT	23 49 14.400	-82 17 48.57		-0.0198	-0.013	5.11	2	6.03	2	6.63	2	G7III		258989		
1684	29 PSC	23 59 15.615	-03 18 20.81		+0.0009	-0.004	5.11	2	4.99	2	4.48	2	B8III		147041	V?	
1685	6 BET- 2 CYG	19 28 44.302	+27 51 32.68		-0.0008	+0.002	5.11	2	5.01	2	4.69	2	B8V		27302	D	
1686	30 DRA	17 47 52.511	+50 47 31.58		-0.0058	+0.209	5.11						A2		30591		
1687	36 -B SCP	15 48 39.134	-02 56 25.99		-0.0060	-0.029	5.11	2	5.23	2	5.30	2	A2		140801		
1688	13 DEL- 1 SCP	15 32 24.633	+10 42 12.66		-0.0051	-0.007	5.11	4	5.374	1	5.494	1	DFn		101623	n	146
1689	5 -R HER	15 58 59.371	+17 57 18.89		-0.0036	+0.150	5.12	2	6.10	2	6.84	2	K0III		101879		
1690	98 HER	18 03 55.448	+22 12 46.28		-0.0008	-0.008	5.12						GM2		85725		
1691	4 CYG	19 24 20.985	+36 12 59.35		+0.0001	+0.011	5.12		5.010				A S1		68301		
1692	53 DRA	19 10 43.809	+56 46 24.31		+0.0041	+0.047	5.12						G8III		31468	V?	
1693	54 DRA	19 13 01.631	+57 37 05.71		-0.0020	-0.069	5.12						K2III		31497		
1694	13 LAC	22 41 51.369	+41 33 23.08		-0.0008	+0.008	5.12						K0III		52317	n	
1695	66 PEG	23 20 33.117	+12 02 22.34		+0.0018	-0.012	5.12						K3III		108580	n	
1696	PHI- 2 PAV	20 35 55.079	-60 43 05.08		+0.0421	-0.569	5.12	2	5.65	2			FRV		254846		
1697	NU PAV	19 57 32.635	-59 30 51.86		+0.0021	-0.029	5.12		6.67	7	7.67	7	GM6		246389	V	
1698	21 VUL	20 12 11.169	+28 32 31.88		+0.0009	-0.019	5.12						A3		88391		
1699	6 -H LEO	09 29 16.852	+09 56 14.06		-0.0003	-0.016	5.12						K3III		117751	D	
1700	66 -R TAU	04 21 08.090	+09 20 46.19		-0.0012	-0.006	5.12	2	5.19	2	5.30	2	A2		111791	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																				
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1701		AD	CET	00 11 54.170	-08 03 31.02		+0.0037	+0.008	5.12	2	6.74	2	8.55	2	M0III	7	128655	DV		
1702	64		PSC	00 46 20.792	+16 40 15.74		-0.0001	-0.200	5.12						F8V		92099			
1703	6	-G	ORI	04 52 00.305	+11 20 45.39		-0.0010	+0.021	5.12						A3		94197			
1704	68		ERI	05 06 14.847	-04 31 10.68		+0.0026	+0.018	5.12	2	5.56	2	5.51	2	F5V		131813			
1705	24	PHI	AUR	05 24 19.833	+34 26 06.82		-0.0002	-0.047	5.12						K3P		58051			
1706	25		MON	07 34 47.496	-03 59 52.74		-0.0049	+0.014	5.12	2	5.56	2	5.68	2	F5III		134899	D		
1707	66		AUR	07 20 40.918	+40 46 14.17		-0.0005	-0.027	5.13						K0III		41738			
1708	91	SIG- 1	TAU	04 36 17.709	+15 42 10.83		+0.0027	-0.071	5.13		5.280				A M		94051			
1709	48		CET	01 27 12.209	-21 53 14.62		+0.0038	+0.010	5.13	2	5.15	2			A1V		167096	D		
1710	37		CET	01 11 52.826	-08 11 27.96		+0.0082	+0.277	5.13	2	5.59	2	5.54	2	DF2		129193	DV?		
1711		OMI- 1	CEN	11 29 26.836	-59 09 57.55		-0.0003	-0.009	5.13	2	6.21	2	6.98	2	G0IA		239145	DV		
1712	2		DRA	11 33 08.295	+69 36 04.56		+0.0209	-0.130	5.13						K0III		15567			
1713		-Z- 2	CAR	11 06 28.544	-61 40 33.27		-0.0031	+0.007	5.13	2	5.36	2			B9IA		251286			
1714	47		AUR	22 18 50.606	-21 50 58.35		-0.0006	-0.082	5.13		6.200				K2III		191093			
1715		V 509	CAS	22 57 58.197	+56 40 37.16		-0.0006	+0.011	5.13	2	6.68	2	8.01	2	G0IAP		35039	V		
1716	95	A	HER	17 59 23.050	+21 35 40.48		+0.0008	+0.034	5.13						A7III		85648	D		
1717		LAM	CRA	18 40 21.169	-38 22 24.69		+0.0002	-0.056	5.13						A1V		210501	D		
1718	11		SGR	18 08 40.200	-23 42 47.18		+0.0013	-0.020	5.13						GK0		186437	D		
1719	59		DRA	19 11 01.096	+76 28 42.03		+0.0127	-0.121	5.14	2	5.45	2	5.45	2	F2V		9341			
1720	9	NU - 2	LYR	18 48 00.801	+32 29 31.74		-0.0010	-0.014	5.14		5.200				A3V		67446	D		
1721		OME	PAV	18 54 10.179	-60 16 07.74		-0.0163	+0.035	5.14	2	6.51	2			K1III-IV		254423			
1722	15	THE	UMI	15 32 51.271	+77 30 59.57		-0.0164	+0.009	5.14						K5III		8274			
1723		PI	PHE	23 56 20.774	-53 01 30.51		+0.0059	+0.066	5.14						K1III		248087			
1724	6		CEP	21 18 20.062	+64 39 33.93		+0.0006	+0.007	5.14		5.120				B3VE		19313			
1725		OMI- 2	CEN	11 29 29.486	-59 14 22.23		-0.0023	-0.002	5.14	2	5.63	2	5.52	2	A2IA		239146			
1726	19		LMI	09 54 37.760	+41 17 40.83		-0.0106	-0.029	5.14	2	5.60	2	5.60	2	F5V		43115			
1727		CHI	PHE	01 59 42.158	-44 57 12.68		-0.0028	-0.041	5.14	2	6.63	2	8.45	2	GK5		215739			
1728	3		CAM	04 35 57.858	+52 58 56.11		-0.0001	-0.012	5.14						K0III		24743	D		
1729	63		ARI	03 19 52.271	+20 33 52.25		-0.0031	-0.020	5.14						K3III		75899			
1730		PHI	FOR	02 25 54.739	-34 02 03.17		+0.0011	+0.010	5.14	2	5.24	2			A2IV		193723			
1731	66		ERI	05 04 17.220	-04 43 13.98		+0.0007	+0.009	5.14	2	5.08	2	4.90	2	B9		131777	DV?		
1732		LAM	DOR	05 25 35.249	-58 57 15.52		-0.0017	+0.027	5.14	2	6.14	2			G5		233981			
1733	16		CAM	05 19 10.611	+57 29 54.11		-0.0036	-0.055	5.14						A0		25161			
1734	80	PI	GEM	07 44 17.114	+33 32 24.61		-0.0012	-0.031	5.14						GMO		60340	D		
1735	43		CAM	06 48 19.454	+68 56 58.72		+0.0011	+0.006	5.14						B7IV		13986			
1736	13	ZET	CMi	07 49 06.395	+01 53 45.19		-0.0013	-0.005	5.14	2	5.03	2	4.54	2	B8		116043			
1737	18	CHI	CNC	08 17 01.807	+27 22 52.07		-0.0012	-0.382	5.14	2	5.61	2	5.55	2	F6V		80104			
1738	58	RHO- 2	CNC	08 52 40.203	+28 07 10.72		-0.0009	-0.037	5.15						G8II-III		80511			
1739	57	PSI- 6	AUR	06 43 50.996	+48 50 40.75		-0.0002	+0.007	5.15						K1III		41346	V?		
1740	64		ORI	06 00 29.672	+19 41 35.74		-0.0000	-0.018	5.15		5.040				B8III		95166	V?		
1741	133		TAU	05 44 52.698	+13 52 59.18		+0.0009	-0.014	5.15		4.970				B2V		94864	D		
1742	29		PER	03 15 03.350	+50 02 26.47		+0.0031	-0.023	5.15	2	5.09	2	4.53	2	B3V		23944			
1743	90	-P	VIR	13 52 07.925	-01 15 28.42		-0.0055	-0.029	5.15	2	6.23	2	7.31	2	K2III		139613			
1744		-Z	CEN	13 44 00.957	-36 00 08.70		-0.0010	-0.023	5.15	2	5.13	2			A0		204835	D		
1745	21		CYN	13 16 07.096	+49 56 40.38		-0.0034	+0.015	5.15						A0		44556	V?		
1746	27		COM	12 44 08.887	+16 51 00.91		+0.0006	+0.002	5.15						K3III		100252			
1747		ZET- 2	MUS	12 19 19.446	-67 14 40.99		-0.0038	-0.013	5.15	2	5.34	2	5.51	2	ASM		251866	D		
1748	22		VUL	20 13 20.548	+23 17 26		-0.0001	-0.012	5.15	2	6.19	2	6.90	2	G2IB		88416			
1749		UPS	PAV	20 37 23.405	-66 56 20.65		+0.0030	-0.024	5.15	2	5.09	2	4.81	2	B8V		254854	V?		
1750		ALP	OCT	20 58 44.041	-77 13 01.18		+0.0027	-0.364	5.15	2	5.64	2	5.77	2	F4III		257879			

TABLE 5 CONTINUED
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1751	30	CEP	22 36 52.249	+63 19 27.05	-0.0007	-0.020	5.15						A2		20100		
1752	43 -I	HER	16 43 25.712	+08 40 20.34	-0.0001	+0.014	5.15	2	6.68	2	8.62	2	K5III		121843		
1753	23	AQL	19 15 59.792	+00 59 34.10	+0.0005	+0.020	5.15						K2II-III		124487	OV?	
1754	MU	ARA	17 40 10.270	-51 48 35.06	-0.0014	-0.193	5.15	2	5.85	2			G5V		2449A1		
1755	101	HER	18 06 43.406	+20 02 09.74	+0.0005	-0.021	5.16						A4		45770		
1756	18 Y	AQL	19 04 37.312	+10 59 34.30	-0.0002	-0.028	5.16		5.070				B7V		1044A8	V	
1757	21	AQL	19 11 11.383	+02 12 25.96	+0.0005	+0.003	5.16	2	5.09	2	4.67	2	B8II-III	7	124408	DV	
1758	RHO	TEL	19 02 22.677	-52 24 59.33	+0.0035	-0.115	5.16	2	5.69	2			DF8		245921		
1759	31 -B	AQL	19 22 35.096	+11 50 09.47	+0.0492	+0.640	5.16	2	5.94	2	6.36	2	G8IV		104807	V?	
1760	-S	HER	16 28 23.219	+20 35 14.15	-0.0056	-0.065	5.16						G8IIP		84416	V?	
1761	49 SIG	PEG	22 49 51.922	+09 34 08.98	+0.0353	+0.049	5.16	2	5.64	2	5.63	2	F7IV		127810		
1762	59	PEG	23 09 12.612	+08 26 53.78	-0.0005	+0.000	5.16	2	5.29	2	5.37	2	A2V		128022		
1763	3	CET	00 01 56.533	-10 47 15.98	-0.0006	-0.007	5.16						K3I9		147066	V?	
1764	IOT	IND	20 47 53.819	-51 47 45.74	+0.0010	-0.010	5.16						GK1		246762		
1765	25 -D	AQR	21 37 01.044	+02 01 04.24	-0.0019	-0.081	5.16						K0III		126965		
1766	82 -M	VIR	13 38 59.047	-08 27 05.13	-0.0067	+0.035	5.16						M2III		139490		
1767	8 ALP- 1	LIB	14 47 54.959	-15 47 25.90	-0.0070	-0.072	5.16	2	5.57	2	5.53	2	F5IV		158836	D	
1768	M	CAR	10 12 05.677	-66 07 28.10	-0.0058	+0.000	5.16	2	5.38	2	5.56	2	A M		250880		
1769	37	UMA	10 31 57.350	+57 20 27.14	+0.0081	+0.035	5.16	2	5.50	2	5.48	2	F1V		27695		
1770	BET- 3	TUC	00 30 27.662	-63 18 23.45	+0.0127	-0.034	5.16						A2		248208		
1771	121	TAU	05 32 23.739	+24 00 29.85	+0.0005	-0.014	5.16						B3V		772A5		
1772	60	ERI	04 47 56.261	-16 18 09.83	+0.0024	+0.054	5.16						K0III		149924	V?	
1773	42 OME	GEM	06 59 22.027	+24 17 18.71	-0.0005	-0.002	5.16		6.090				G5II		78999	V?	
1774	D	VEL	08 42 06.427	-49 38 28.34	+0.0025	+0.000	5.16	2	4.96	2	3.94	2	B0VN		220361		
1775	-B- 2	CAR	08 58 10.509	-58 53 30.25	-0.0227	+0.277	5.16	2	5.58	2			DF4		236475	D	
1776	C- 1	CAR	08 14 30.697	-62 45 39.52	-0.0031	-0.025	5.16	2	5.24	2			A2		250164	D	
1777	9	PUP	07 49 27.328	-13 45 50.78	-0.0046	-0.344	5.160	1	5.760	1	5.820	1	G1V		153500		
1778	O	PUP	07 56 17.441	-45 26 31.19	-0.0012	+0.019	5.17	2	6.44	2			GK4		219218		
1779	11 SIG- 1	UMA	09 04 01.898	+67 04 33.26	-0.0030	-0.041	5.17						K5III		14769		
1780	16 -C	UMA	09 10 24.631	+61 37 51.21	+0.0001	-0.034	5.17						DF9		14819		
1781	35	LYN	08 48 35.956	+43 54 51.14	-0.0013	+0.044	5.17						K0III		42576		
1782	106 -L	TAU	05 04 50.680	+20 21 15.03	-0.0034	-0.034	5.17						A3		76971		
1783	MU	COL	05 44 08.324	-32 19 27.47	+0.0003	-0.025	5.17	2	4.89	2			O9.5V		196149		
1784	28 GN	AND	00 27 28.660	+29 28 34.47	+0.0031	-0.049	5.17						A M		74041	DV	
1785	49	CAS	02 00 40.706	+75 52 34.67	-0.0052	-0.015	5.17						G8III		4565	D	
1786	89 -F	PSC	01 15 13.014	+03 21 06.23	-0.0035	-0.019	5.17	2	5.24	2	5.32	2	A3V		109793		
1787	9 -I	PER	02 18 51.207	+55 37 05.42	-0.0001	+0.004	5.17	2	5.54	2	5.43	2	A2IA		23256	D	
1788	42 XI	ERI	04 21 11.310	-03 51 34.77	-0.0036	-0.054	5.17	2	5.25	2	5.33	2	A2V		131176		
1789	27 NU	LEO	09 55 32.087	+12 41 02.93	-0.0017	-0.020	5.17		5.130				B9.5V		98876		
1790	47	HYA	13 55 42.433	-24 43 44.18	-0.0036	-0.031	5.17		5.070				B8		182134		
1791	10 BET	EQU	21 20 24.669	+06 35 47.14	+0.0036	+0.014	5.17	2	5.22	2	5.29	2	A2		126749	D	
1792	35	CYG	20 16 43.763	+34 49 31.59	+0.0002	-0.005	5.17	2	5.82	2	6.29	2	F5IB		69806	V?	
1793	108 -I- 3	AQR	23 48 46.443	-19 11 13.92	+0.0013	+0.004	5.17	2	5.04	2			B9P		165918	V	
1794	9 TAU- 1	SCP	15 23 28.116	+15 36 09.65	-0.0010	-0.012	5.17	2	6.83	2	8.78	2	M1III		101545		
1795	18 IOT	LYR	19 05 30.954	+36 01 14.52	-0.0003	-0.001	5.17		5.060				B7IV		67834		
1796	87	HER	17 46 47.387	+25 38 17.42	-0.0004	-0.040	5.17						K2III		85437		
1797	XI - 1	LUP	15 53 41.256	-33 49 17.51	+0.0015	-0.045	5.177	2	5.267	2	5.347	2	A1		207144	D	95
1798	3	VUL	19 20 47.905	+26 09 54.85	-0.0002	-0.008	5.18	2	5.06	2	4.53	2	B6III		87136	V?	
1799	SIG	PHE	23 44 37.216	-50 30 14.18	+0.0007	-0.011	5.18	2	4.99	2			B5		248018		
1800	31	CEP	22 34 31.982	+73 23 00.37	+0.0397	+0.030	5.18						F4III		10425		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISU-L MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
1801	2b -E CYG	19 59 56.650	+49 57 53.05		+0.0015	+0.006	5.18		6.280				K1II-III		9098	n	
1802	13 COM	12 21 46.124	+26 22 32.44		-0.0012	-0.015	5.18	2	5.26	2	5.36	2	A3V		92291	n	
1803	24 A COM	12 32 37.306	+18 39 07.37		-0.0004	+0.018	5.19						K2III		100160	n	
1804	42 LYN	09 35 14.861	+40 27 55.05		-0.0016	+0.002	5.18						A6N		42958		
1805	75 LEO	11 14 42.984	+02 17 08.63		+0.0035	-0.148	5.18	2	6.70	2	8.54	2	M0III		118764		
1806	30 ETA CHT	11 53 27.831	-16 52 20.63		-0.0039	-0.011	5.18	2	5.15	2			A0V		156988	V?	
1807	ETA RET	04 21 20.563	-63 30 17.09		+0.0133	+0.174	5.18		6.130				G7III		249009		
1808	61 TAU ARI	03 18 20.100	+20 58 05.58		+0.0019	-0.023	5.18						B5V		75886		
1809	30 MU CAS	01 04 55.686	+54 40 32.96		+0.3947	-1.575	5.18	2	5.87	2	5.96	2	G5VP		22024		
1810	50 CET	01 54 19.672	-22 46 12.86		+0.0043	-0.020	5.18						GK4		167416		
1811	48 PSC	00 25 36.589	+16 10 07.58		+0.0013	-0.011	5.18						AK5		91912		
1812	IOT SCL	00 19 00.611	-29 15 28.37		+0.0030	-0.069	5.18	2	6.18	2			GGA		166207		
1813	FZ VEL	08 57 10.346	-47 02 24.93		-0.0090	+0.052	5.18	2	5.43	2			F0III		220717	UV	
1814	36 -D GEM	06 48 33.241	+21 49 19.14		-0.0007	-0.034	5.18		5.160				A2V		78805	D	
1815	63 GEM	07 24 46.354	+21 32 56.83		-0.0040	-0.124	5.18						F5IV-V		79403	D	
1816	12 GAM- 1 DEL	20 44 19.473	+15 56 34.71		-0.0022	-0.188	5.182	1	5.684	1	6.542	1	F7V		106475	D	61
1817	73 AF DRA	20 32 11.343	+74 47 01.07		+0.0008	-0.012	5.19		5.260				A P		9802	V	
1818	36 LYN	09 10 32.470	+43 25 30.92		-0.0026	-0.036	5.19		5.050				A1		42759		
1819	GAM MEN	05 33 51.219	-76 22 40.30		+0.0318	+0.285	5.19	2	6.32	2	7.50	2	K4III		256201	n	
1820	72 -F- 2 ORI	06 12 32.077	+16 09 37.16		+0.0002	-0.014	5.19		5.060				B7V		95447		
1821	41 GS TAU	04 03 32.044	+27 28 00.58		+0.0015	-0.051	5.19		5.050				A SI		76455	V	
1822	MU - 2 CRU	12 51 39.615	-56 53 49.85		-0.0039	-0.005	5.19	2	5.08	2	4.58	2	B5VE		240367	D	
1823	49 VIR	13 05 16.406	-10 28 24.61		+0.0009	-0.012	5.19	2	6.33	2	7.45	2	K1III		157739		
1824	4 VUL	19 23 16.878	+19 41 57.23		+0.0066	-0.063	5.19		6.160				K0III		104818	n	
1825	36 LIB	15 31 35.056	-27 52 47.95		+0.0011	-0.036	5.19						GK4		183580		
1826	48 CHI BOO	15 12 23.619	+29 20 55.85		-0.0053	+0.026	5.19		5.210				A2V		83729		
1827	112 HER	18 50 08.204	+21 21 48.89		-0.0005	-0.008	5.20		5.130				B9II-III		86521		
1828	R SCT	18 44 48.745	-05 45 37.40		-0.0030	-0.028	5.20	2	6.67	2	8.30	2	G0IAE		142620	V	
1829	-B LUP	14 43 30.576	-52 10 23.89		-0.0018	-0.088	5.20						G8III		241992	D	
1830	44 UMA	10 50 33.486	+54 51 05.10		-0.0082	-0.013	5.20						K3III		27815		
1831	27 UMA	09 38 23.692	+72 28 53.18		-0.0056	-0.031	5.20						K0III		6936		
1832	KAP FOR	02 20 15.244	-24 02 33.76		+0.0144	-0.056	5.20	2	5.80	2			G1V		167736		
1833	T CET	00 19 14.522	-20 20 06.19		+0.0049	-0.001	5.2						M5-6SE		166210		
1834	13 CET	00 32 40.371	-03 52 04.29		+0.0274	-0.021	5.20	2	5.76	2	5.84	2	F8V		128839	DV?	
1835	19 PHI- 2 CET	00 47 37.288	-10 54 47.65		-0.0156	-0.223	5.20	2	5.70	2	5.69	2	F8V		147470		
1836	71 ORI	06 11 54.292	+19 10 30.51		-0.0068	-0.190	5.20	2	5.64	2	5.64	2	F6V		95432	n	
1837	77 ORI	06 24 39.651	+00 19 50.92		+0.0002	-0.009	5.20	2	6.38	2	7.51	2	K1II		113905		113
1838	31 TU CAM	05 50 28.948	+59 52 47.18		+0.0001	-0.019	5.2						A0		25447	V	
1839	THE VOL	08 38 54.785	-70 12 29.53		+0.0040	-0.048	5.20	2	5.21	2	5.18	2	A0		256535	D	
1840	C PUP	07 02 27.608	-42 15 44.93		-0.0016	+0.067	5.20	2	5.40	2			A M		218424		
1841	10 PI CAP	20 24 27.627	-18 22 37.45		+0.0009	-0.010	5.20		5.130				B8		163592	D	
1842	25 CYG	19 58 05.067	+36 54 17.27		-0.0001	+0.006	5.20		5.030				B3VE		69231		
1843	T CYG	20 45 10.911	+34 11 21.85		+0.0036	+0.006	5.20						K3III		70499	UV	
1844	MU IND	21 01 34.302	-54 55 34.61		+0.0013	-0.033	5.20						GK2		246854		
1845	T CEP	21 08 52.870	+68 17 11.85		-0.0063	-0.062	5.2						GM7E		19229	V	
1846	71 -G CYG	21 27 36.074	+46 19 09.90		+0.0041	+0.107	5.20						K0III		50934		
1847	97 AQR	23 20 02.011	-15 18 50.34		+0.0075	+0.022	5.20	2	5.40	2			A3		165658	D	
1848	17 DRA	16 35 02.648	+53 01 27.11		-0.0017	+0.025	5.202						A0+A0		30013	D	63
1849	59 -D SCA	18 24 38.906	+00 09 53.44		-0.0007	-0.002	5.21	2	5.71	2	5.92	2	G0+A0		123497	DV	
1850	95 B HER	17 59 22.551	+21 35 39.16		+0.0007	+0.031	5.21						G5III		85647	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLIJE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
1851	59 UPS	AQR	22 31 57.688	-20 57 53.86	+0.0158	-0.142	5.21	2	5.65	2			F3V		101235		
1852	70	CYG	21 25 18.864	+36 53 55.35	+0.0001	+0.006	5.21						R3V		71358		
1853	16	VUL	19 59 54.081	+24 47 48.51	+0.0064	+0.072	5.21						F5II		98098	D	
1854	59	PER	04 39 21.107	+43 16 19.02	+0.0036	-0.049	5.21						A0		19699		
1855	UPS	PHE	01 05 30.962	-41 45 14.23	+0.0033	+0.009	5.21	2	5.37	2	5.46	2	A3V		215374	D	
1856	42 PI	ARI	02 46 29.805	+17 15 27.06	-0.0001	-0.012	5.21		5.150				B6IV		93127	DV?	
1857	29 DEL	SEX	10 26 56.300	-02 28 57.21	-0.0034	-0.018	5.21	2	5.15	2	5.03	2	B9		117600	D	
1858	54 -M- 1	HYA	14 43 06.029	-25 13 55.15	-0.0111	-0.107	5.21						DF1		182855		
1859	76 -H	VIR	13 30 19.814	-09 54 28.93	-0.0023	-0.041	5.21	2	6.17	2	6.77	2	K0III		139401	D	
1860	5 ZET	CRV	12 17 58.019	-21 56 17.08	-0.0070	-0.033	5.21	2	5.11	2			B8		180700	D	
1861	57	VIR	13 13 16.230	-19 40 39.95	+0.0215	-0.121	5.22	2	6.26	2			K1IV		157823		
1862	59 -E	VIR	13 14 17.531	+09 41 05.64	-0.0227	+0.187	5.22	2	5.80	2	5.89	2	F8V		119847	D	
1863	32 -D- 2	VIR	12 43 05.423	+07 56 47.16	-0.0074	-0.000	5.22	2	5.55	2	5.70	2	A M		119574		
1864	13	BOO	14 06 25.202	+49 41 37.67	-0.0070	+0.059	5.22						GM2		44905	V?	
1865	RHO	PHE	00 48 24.814	-51 15 33.91	+0.0060	+0.046	5.22	2	5.58	2			DF2		232203	V	
1866	11	CAM	05 01 47.147	+58 54 18.40	+0.0004	-0.006	5.22		5.140				B2V?PE		25001		
1867	60	ORI	05 56 15.234	+00 32 59.73	-0.0010	+0.001	5.22	2	5.23	2	5.24	2	A1		113321	D	
1868	18	LYN	07 11 33.384	+59 43 44.86	-0.0123	-0.259	5.22						K2III		26248		
1869	56 PSI- 5	AUR	06 43 08.206	+43 37 45.74	-0.0002	-0.164	5.22		5.790				G0V		41330	D	
1870	11	CMi	07 43 31.103	+10 53 29.87	-0.0019	-0.024	5.22		5.230				A1V		97224	V?	
1871	3 ETA	DEL	20 31 35.073	+12 51 17.16	+0.0048	+0.029	5.22		5.270				A2V		106248	V?	
1872	70	AQL	20 34 07.407	-02 43 27.16	+0.0003	-0.001	5.22						K4III		144624		
1873	1	AQR	20 36 51.135	+00 18 33.97	+0.0065	-0.013	5.22						K1III		126062	D	
1874	78	DRA	21 42 28.019	+72 05 26.87	-0.0100	-0.032	5.22						K1III		10131		65
1875	20	CEP	22 03 29.142	+62 32 28.68	+0.0020	-0.063	5.22						K4III		19847		
1876	14	AND	23 28 49.484	+38 57 41.12	+0.0246	-0.076	5.22	2	6.24	2	7.10	2	G8III		73311		
1877	11	AQL	18 56 47.531	+13 33 15.97	+0.0008	-0.122	5.22	2	5.75	2	5.82	2	F8IV		104308	DV?	
1878	36 -E	AQL	19 28 02.906	-02 53 40.34	+0.0012	-0.006	5.22						M1III		143482	V?	
1879	47 CHI	AQL	19 40 12.766	+11 42 27.07	-0.0002	-0.005	5.22						DF3+A3		105168	DV?	
1880	ETA	CIR	15 00 35.917	-63 50 13.24	+0.0161	-0.001	5.22						GG4		253005		
1881	6 MU	CRB	15 33 24.732	+39 10 30.26	+0.0021	+0.003	5.22						GM2		64790		
1882	34 OME	SCP	15 47 45.897	+02 20 51.72	+0.0019	-0.053	5.23	2	6.25	2	7.07	2	G8III		121215		
1883	KAP	ARA	17 22 05.765	-50 35 24.35	+0.0010	+0.002	5.23	2	6.29	2			K1III		244734		
1884	26	DRA	17 34 28.238	+61 54 45.41	+0.0352	-0.510	5.23	2	5.84	2	5.94	2	G1V		17546	D	
1885	61 PHI	AQL	19 53 52.111	+11 17 22.88	+0.0021	+0.009	5.23		5.210				A1V		105438		
1886	64 -E	DRA	20 00 56.986	+64 40 50.55	+0.0007	-0.010	5.23						GM1		18658		
1887	1 EPS	EQU	20 56 34.503	+04 06 02.50	-0.0075	-0.144	5.23	2	5.69	2	5.71	2	F5IV		126428	D	
1888	51 -C	ERI	04 35 04.971	-02 34 19.20	+0.0025	-0.059	5.23	2	5.51	2	5.55	2	A4		131358	D	
1889	IOT- 1	PIC	04 49 48.135	-53 32 45.52	-0.0107	+0.085	5.23	2	5.56	2			F0IV		233709	D	
1890	49 A	AND	01 27 05.505	+46 45 00.17	+0.0007	-0.039	5.23						G9III		37275		
1891	42	CAS	01 39 00.923	+70 22 15.78	+0.0156	-0.006	5.23						A0		4470	V?	
1892	17 ETA	ARI	02 09 59.756	+20 58 37.31	+0.0115	+0.007	5.23						F5V		75294		
1893	10	TRI	02 16 02.723	+28 24 46.35	+0.0008	-0.002	5.23		5.270				A2V		75276	D	
1894	14	TRI	02 29 02.538	+35 55 36.15	+0.0038	+0.017	5.23						K5III		55635		
1895	20	ERI	03 34 00.593	-17 37 53.15	+0.0014	-0.007	5.23	2	5.10	2			A0S1		149063		
1896	ETA	ANT	09 56 43.347	-35 39 03.66	-0.0081	-0.024	5.23	2	5.53	2			F0V		200926	D	
1897	22 EPS	SEX	10 15 08.659	-07 49 06.78	-0.0110	-0.001	5.24	2	5.55	2	5.69	2	F1III		137469		
1898	23	HYA	09 14 12.717	-06 08 36.69	+0.0011	+0.002	5.24	2	6.41	2	7.63	2	K2III		13673	D	
1899	-B- 3	HYA	10 51 02.570	-19 52 08.84	+0.0053	-0.244	5.24	2	5.70	2	5.76	2	F6V		156301	DV?	
1900	57	UMA	11 26 22.902	+39 36 44.41	-0.0045	+0.011	5.24		5.240				A1V		62572	D	

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1901	15 BOO	14 12 23.822	+10 20 07.17		-0.0018	-0.157	5.24						K0III		100930		
1902	102 UPS	14 16 57.685	-02 02 06.82		-0.0080	-0.072	5.24						GRIII		139866	V?	
1903	8 DRA	12 53 29.454	+65 42 33.68		-0.0014	-0.034	5.24	2	5.52	2	5.54	2	A5N		15941		
1904	28 TAU- 7	03 45 30.513	-24 01 42.50		+0.0028	+0.050	5.24	2	5.31	2			A2		168836		
1905	56 TAU	04 16 38.847	+21 39 15.94		+0.0022	-0.038	5.24		5.100				A 5I		76551		
1906	7 TRI	02 12 58.322	+33 07 38.97		-0.0014	-0.034	5.24		5.230				B9.5V		65397		
1907	ZET- 2	03 17 07.399	-62 41 47.77		+0.1936	+0.658	5.24	2	5.84	2			G1V		248774		
1908	107 PSC	01 39 46.615	+20 01 34.34		-0.0209	-0.668	5.24	2	6.08	2	6.57	2	K1V		74893		
1909	WZ	05 07 10.359	-63 27 44.65		+0.0030	-0.040	5.24		6.86	7	8.70	7	B2.5	7	249198	V	
1910	76 -C	07 41 04.022	+25 54 17.99		-0.0014	-0.018	5.24						K5III		79650		
1911	F	07 16 51.194	-39 07 04.40		+0.0002	+0.005	5.24						A1		107836		
1912	76 KAP	09 05 02.414	+10 52 14.13		-0.0014	-0.012	5.24		5.130				A 0		98378	V	
1913	17 DEL	20 53 14.567	+13 31 46.86		+0.0009	-0.009	5.24						K0III		106665		
1914	13 PEG	21 47 45.825	+17 03 08.67		+0.0053	-0.058	5.24						F2III		107425	D	
1915	106 -I- 1	23 41 36.555	-18 33 16.30		+0.0019	+0.002	5.24						B8V		165854		
1916	MU	18 44 14.852	-40 27 40.90		+0.0007	-0.014	5.24	2	6.02	2			62G2		229285		
1917	19 CYG	19 48 47.584	+38 35 33.82		+0.0007	+0.108	5.24						GM2		68947	DV?	
1918	37 -K	19 32 21.954	-10 40 16.41		+0.0005	-0.003	5.24						G8III		162702		
1919	45 -L	16 45 18.566	+05 20 05.94		-0.0014	-0.039	5.24		5.220				A P		121865		
1920	54 PHI	15 36 01.742	+40 30 55.00		+0.0052	+0.059	5.24	2	6.12		6.65	2	G8III-IV		45643		
1921	59 -D	16 59 45.478	+33 38 22.09		-0.0001	-0.001	5.25		5.270				A3III		65736		
1922	IOT	17 19 30.584	-47 25 16.27		-0.0008	-0.015	5.25	2	5.14	2	4.33	2	B3NE		227886	D	
1923	PI	17 33 58.967	-54 28 09.24		-0.0041	-0.148	5.25	2	5.45	2			A7V		244896		
1924	12 DD	22 39 14.013	+39 57 49.62		-0.0006	+0.003	5.25	2	5.11	2	4.24	2	B2III		72627	V	
1925	5 ETA	07 25 20.734	+07 02 43.34		-0.0004	-0.046	5.25	2	5.47	2	5.64	2	GF0		115477	D	
1926	7 DEL- 1	07 29 30.057	+02 01 18.95		-0.0011	-0.004	5.25	2	5.47	2	5.67	2	A8		115581		
1927	8 THE	05 21 12.779	-13 58 22.07		-0.0003	+0.003	5.25	2	5.04	2			B2IV		150396		
1928		00 09 11.681	-35 24 46.45		+0.0135	+0.126	5.25	2	5.69	2			F4V		192388		
1929	20 PER	02 50 32.708	+38 08 06.74		+0.0040	-0.074	5.25						F4V		55975	DV?	
1930	24 ERI	03 41 57.943	-01 19 10.07		-0.0002	-0.003	5.25	2	5.15	2	4.76	2	B7IV		130698		
1931	50 HYA	14 09 53.730	-27 01 36.38		-0.0009	-0.038	5.25						GK3		182349		
1932	C- 2	11 33 29.689	-47 21 51.21		+0.0030	-0.054	5.25	2	5.50	2	5.62	2	F2		222895		
1933	-Z- 1	09 12 32.407	-43 01 10.42		-0.0025	+0.008	5.25	2	5.11	2	4.55	2	B5VM		220978	D	
1934	22 -G	09 49 02.936	+24 37 58.22		+0.0005	-0.183	5.25		5.480				A5V		81054		
1935	K	09 16 25.907	-50 50 23.77		-0.0028	+0.006	5.26	2	5.18	2			B9		236824		
1936	-Z- 2	10 44 56.117	-56 29 35.34		-0.0019	-0.005	5.26	2	5.18	2			B8		238468		
1937	68 -I	13 24 04.412	-12 26 53.17		-0.0092	-0.025	5.26	2	6.79	2	8.55	2	M0III		157938	V?	
1938	58 TAU	04 17 45.960	+14 58 37.86		+0.0074	-0.022	5.26	2	5.48	2	5.58	2	GA8		93876		
1939	NU	02 47 54.688	-63 00 48.77		+0.0138	+0.032	5.26	2	5.36	2			A0		248656		
1940	10 RHO- 3	03 01 48.952	-07 47 43.01		+0.0034	+0.015	5.26	2	5.46	2	5.55	2	A4		130269		
1941	ZET	02 39 06.229	-54 45 48.15		+0.0046	+0.006	5.26						DF5		232857		
1942	93 RHO	01 23 33.246	+18 54 45.75		-0.0017	+0.014	5.26						DF1		92436	V?	
1943	52 PSI- 3	06 35 20.296	+39 56 51.00		-0.0007	-0.014	5.26		5.190				B8III		59319		
1944	7 MON	06 17 18.205	-07 48 01.79		-0.0007	-0.002	5.26	2	5.07	2	4.32	2	B2V		133114		
1945	-X	06 45 38.630	-37 52 24.62		-0.0015	-0.018	5.26	2	5.18	2			B9IV		197215	D	
1946	72 TAU	09 05 00.201	+29 51 23.34		-0.0023	-0.004	5.26						G8III		80650		
1947	-E- 1	08 34 05.838	-58 03 03.51		-0.0041	+0.004	5.26	2	5.12	2			B3VN		236105		
1948	68 -G- 2	22 44 52.131	-19 52 28.69		-0.0072	-0.198	5.26		6.200				G7III		165293		
1949	KAP	23 01 42.868	-54 14 00.86		+0.0064	-0.110	5.26						GK5		247711		
1950	2 PSA	21 03 21.537	-32 32 34.02		+0.0000	+0.013	5.26						GK3		212716		121

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																		
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N	
1951	-C	HER	17 06 15.553	+35 59 56.68	L	-0.0023	-0.012	5.26					A5		65812	D		
1952	16	SCP	15 34 05.279	+10 10 33.99		+0.0029	-0.132	5.26					KOP		101640			
1953	50	BUO	15 19 48.345	+33 06 42.07		-0.0043	+0.014	5.26		5.200			H9V		64656			
1954	DEL- 2	APS	16 12 54.659	-78 32 44.26		+0.0004	-0.024	5.27	2	6.68	2	8.30	K5III?		257381			
1955	KAP	TEL	18 48 41.748	-52 10 01.54		+0.0040	-0.103	5.27					GGA		245772			
1956	25	CHI	21 05 41.937	-21 23 44.70		+0.0013	-0.056	5.27		5.210			A0V		100050	D		
1957	18	AND	23 36 42.416	+50 11 40.85		-0.0018	+0.000	5.27		5.23	2		B9		35642			
1958	ETA	PYX	08 35 43.953	-26 04 44.07		-0.0016	-0.015	5.27	2				A0		176189	D		
1959	40	AUR	06 03 08.209	+38 29 21.37		+0.0010	-0.051	5.27					A 4		58749			
1960	52	ORI	05 45 18.945	+06 26 17.32		+0.0003	-0.019	5.27	2	5.50	2	5.67	ASN		113150	D		
1961	45	ORI	05 33 11.418	-04 53 13.59		+0.0002	+0.011	5.27	2	5.50	2	5.67	GF0		132336	OV?		
1962	69	CET	02 19 22.723	+00 10 05.62		-0.0011	-0.003	5.27	2	6.92	2	8.77	GM2		110405			
1963	22	-F	BOO	14 24 07.727	+19 27 02.75		-0.0051	+0.020	5.27				A5		101025			
1964	31	SY	UMA	09 52 27.789	+50 03 25.05		-0.0007	+0.020	5.27				A2		27430	V		
1965	53	-L	LEO	10 46 37.797	+10 48 37.01		-0.0004	-0.028	5.28		5.290		A2V		99305			
1966	31	CRT	11 58 17.515	-19 22 50.18		-0.0012	+0.008	5.28					B1.5V		157042		53	
1967	BY	BOO	14 05 55.835	+44 05 29.73		+0.0007	-0.031	5.28	2	6.86	2	8.52	M4III-M4.5 7		44901	V		
1968	MU	FOR	02 10 42.374	-30 57 27.38		+0.0015	+0.010	5.28	2	5.26	2		A1V		193573			
1969	12	MU	TRI	02 25 13.653	+29 26 50.24		-0.0011	-0.082	5.28				GA7		75382			
1970	53	TAU	04 16 29.027	+21 01 22.94		+0.0460	-0.043	5.28	2	6.26	2	6.90	G4III		255808			
1971	07	TAU	04 22 26.032	+22 05 13.99		+0.0022	-0.040	5.28		5.230			A P		76548			
1972	43	A	PER	03 52 52.725	+50 33 08.98		+0.0079	-0.052	5.28	2	5.53	2	5.62	ASN		76602	D	
1973	35	ERI	03 58 59.843	-01 41 18.14		+0.0097	-0.127	5.28	2	5.69	2	5.69	F5IV		24314			
1974	PI	SCL	01 39 53.210	-32 34 42.49		+0.0013	-0.014	5.28	2	5.13	2	4.58	B5V		130878			
1975	47	GAM- 3	CAS	02 00 02.232	+77 02 33.44		-0.0059	-0.022	5.28				GK0		103263			
1976	36	CMI	06 07 49.304	+65 43 53.19		+0.0366	-0.052	5.28	2	6.33	2	7.25	A2N		4562			
1977	1	CMI	07 22 11.545	+11 46 08.64		-0.0101	-0.014	5.28					GG8		258215			
1978	14	AND	23 17 09.545	+48 21 03.09		+0.0015	-0.032	5.28					K2II-III		13756			
1979	11	CAP	21 12 58.911	-15 22 49.49		-0.0012	-0.016	5.28	2	6.19	2	6.91	A4III		96871			
1980	29	CAP	21 38 49.849	-14 16 17.42		-0.0108	+0.096	5.28					K0III		116182			
1981	42	CHI	18 25 46.665	-87 39 09.92		+0.0017	+0.061	5.28					K0III		52907			
1982	53	HER	16 51 04.150	+31 46 59.65		+0.0017	+0.007	5.28		6.900			GM3		164263	V?		
1983	21	NU	LIB	15 03 49.929	-16 03 51.08		+0.0017	+0.007	5.28				G2IV		164580			
1984	19	AQL	19 06 32.906	+05 59 35.32		-0.0084	-0.304	5.28	2	6.56	2	8.16	K3II		258799			
1985	7	LAM- 1	PEG	21 39 45.354	+05 27 05.29		-0.0779	-0.131	5.28				DA8		65627			
1986	12	NU	IND	22 20 21.963	-72 29 58.85		-0.0075	-0.019	5.28				K5III		159028			
1987	107	-I- 2A	AUR	23 43 25.172	-18 57 22.27		-0.0031	-0.025	5.28				DF2		124318			
1988	82	CMA	06 44 34.174	-14 22 15.42		+0.0008	-0.075	5.29	2	6.04	2	6.51	G65		258914	D		
1989	7	ETA	08 22 32.621	-73 14 18.99		+0.0348	-0.033	5.29	2	6.93	2	8.87	GM2		127002			
1990	11	UU	06 33 06.637	+38 29 16.10		+0.0009	-0.003	5.29		6.720			K0Ia		89972			
1991	46	TAU	04 10 51.367	+07 35 23.29		+0.0005	+0.001	5.29	2	6.39	2		GK0		240726			
1992	33	ARI	02 37 45.345	+26 50 50.75		+0.0015	+0.008	5.29	2	5.94	2	5.88	G0V		258033	D		
1993						+0.2890	-0.686	5.29	2	5.57	2		A5		165867	D		
1994						+0.0093	+0.034	5.29					A3		108879	V?		
1995						-0.0017	+0.009	5.29					B8		151919	D		
1996						-0.0006	+0.009	5.29	2	5.25	2		A1		256505	D		
1997						-0.0058	+0.011	5.29	2	5.30	2	5.29	C5-3		59280	V		
1998						+0.0005	-0.028	5.29	2	7.89	2		B7V?NN		150345			
1999						-0.0009	+0.008	5.29					F3V		111672	D		
2000						-0.0003	+0.009	5.29	2	5.65	2	5.65	A3V		75510	D		
						+0.0050	-0.027	5.29		5.380								

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTR. L CLASS	S N	SAN C.T.NO.	STAR PROP.	G N
2001	H	CEN	12 54 10.886	-50 55 41.60	-0.0027	-0.019	5.29						B8V		240407		
2002	17 AI	COM	12 26 24.963	+26 11 21.69	-0.0019	-0.024	5.29	2	5.23	2	5.13	2	A SI		A2330	DV	
2003	R	CEN	14 12 56.901	-59 40 55.23	-0.0018	-0.022	5.3						M4		2415A0	DV	
2004	92	LEO	11 38 11.187	+21 37 50.48	-0.0044	-0.046	5.30						K0III		41941		
2005	42	LMI	10 43 05.340	+30 56 46.23	-0.0019	-0.042	5.30		5.250				B9V		62236		
2006	23	LMI	10 13 24.248	+29 33 37.31	-0.0057	-0.028	5.30		5.310				A0V		4125A		
2007	91 -L	PSC	01 18 21.077	+28 28 39.56	+0.0022	-0.067	5.30						GK5		74647		
2008	31	CAS	01 07 14.623	+68 30 47.88	+0.0068	-0.017	5.30						A0		11612		
2009	AE	AUR	05 12 59.811	+34 15 24.59	+0.0007	+0.030	5.3						09.5V		57816	DV	
2010	115	TAU	05 24 14.934	+17 55 15.48	+0.0004	-0.024	5.30						B5V		44554	D	
2011	4	CAM	04 43 49.743	+56 40 15.10	+0.0066	-0.145	5.30						A M		24829	D	
2012	RS	CNC	09 07 37.720	+31 10 05.01	-0.0016	-0.038	5.3						M6SE		61306	V	
2013	10 MU	CNC	08 04 49.417	+21 43 42.36	+0.0015	-0.074	5.30	2	5.93	2	6.14	2	G2IV		79959		
2014	18 MO	CEP	22 02 22.854	+62 52 34.06	+0.0042	+0.060	5.30		6.86	7	8.66	7	GM5		19828	V	
2015	SX	PAV	21 24 18.753	-69 43 23.38	+0.0166	-0.050	5.3						GM7		255043	V	
2016	NU	MIC	20 30 29.353	-44 41 13.91	+0.0015	-0.035	5.30						GG9		230276		
2017	14 TAU	CAP	20 36 28.701	-15 07 53.44	+0.0003	-0.021	5.30						B6III		163771	D	
2018	2 ES	VUL	19 15 36.580	+22 56 03.18	-0.0000	-0.004	5.30						B0.5IV		87036	DV	
2019	IOT	TRA	16 23 17.563	-63 56 48.61	+0.0083	+0.025	5.30						DF4		253565	D	
2020	3	SCP	15 12 42.056	+05 07 25.66	-0.0012	+0.001	5.31						GK0		120916		
2021	-H	LUP	15 39 22.827	-37 15 57.64	-0.0043	-0.021	5.31						GK0		206887		
2022	MU - 2	PAV	19 57 01.732	-67 04 54.09	+0.0066	-0.072	5.31	2	6.53	2	7.82	2	GK0		254707		
2023	32	AQR	22 02 13.132	-01 08 56.52	-0.0012	-0.047	5.31	2	5.54	2	5.69	2	A M		145853		
2024	MU	SCL	23 38 00.943	-32 20 58.98	-0.0073	-0.050	5.31	2	6.28	2			K0III		214701	V?	
2025	05	GEM	07 52 44.904	+20 01 03.24	-0.0013	-0.043	5.31		5.270				B9.5V		79799		
2026	E	PUP	07 10 36.356	-40 24 47.92	-0.0022	-0.017	5.31	2	5.37	2	5.46	2	A P		218525		
2027	17	UMA	09 12 08.473	+56 57 00.55	-0.0020	-0.035	5.31						K5III		27185		
2028	14	HYA	08 46 50.952	-03 15 22.83	-0.0016	-0.027	5.31	2	5.21	2	4.86	2	A P		136308		
2029	LAM	PIC	04 41 29.347	-50 34 28.41	-0.0045	+0.039	5.31	2	6.29	2			GG8		233638		
2030	BET	MEN	05 03 21.302	-71 22 58.14	+0.0007	+0.025	5.31	2	6.31	2	7.08	2	K0		256154		
2031	19	LEP	06 05 31.044	-19 09 31.25	+0.0005	+0.053	5.31		6.970				GM2		151142		
2032	NU - 2	CGL	05 35 47.423	-28 43 06.11	-0.0030	+0.051	5.31	2	5.77	2	5.87	2	DF4		170613		
2033	EPS	SCL	01 43 18.256	-25 18 06.64	+0.0117	-0.056	5.31	2	5.70	2			F1V		167275	D	
2034	22 PHI- 3	CET	00 53 31.022	-11 32 13.09	-0.0017	-0.005	5.31	2	6.83	2			K4III		147519		
2035	ETA	HOR	02 35 45.293	-52 45 31.96	+0.0093	-0.013	5.31	2	5.58	2			A5		232835		
2036	49	ERI	04 34 38.893	+00 53 54.65	-0.0006	-0.003	5.31	2	5.19	2	4.75	2	B7V		111928		69
2037	D	CEN	12 11 25.272	-45 26 45.27	-0.0043	+0.003	5.31	2	6.74	2	8.33	2	GM0		223297	D	
2038	3	CYN	12 17 21.284	+49 15 41.27	-0.0012	+0.002	5.31						GM1		44127		
2039	9	DRA	12 56 02.053	+66 51 59.88	-0.0241	-0.016	5.32	2	6.61	2	7.90	2	K2III		15960		
2040	4 A- 1	VIR	11 45 20.756	+08 31 25.26	-0.0040	+0.008	5.32	2	5.34	2	5.38	2	A1		119058		
2041	42 PSI	TAU	04 03 54.653	+28 52 04.07	-0.0067	+0.007	5.32						DF1		76461		
2042	36	PER	03 28 57.804	+45 53 21.30	-0.0050	-0.066	5.32	2	5.73	2	5.71	2	F4III		38924	V?	
2043	9 RHO- 2	ERI	03 00 14.892	-07 52 51.43	+0.0028	+0.001	5.32	2	6.26	2	6.99	2	GG5		130254	D	
2044	6	PER	02 10 15.926	+50 50 05.11	+0.0366	-0.165	5.32	2	6.25	2	6.87	2	K0III		23047		120
2045	37	CAM	06 05 34.345	+58 56 41.85	+0.0033	+0.023	5.32						G8III		25597		
2046	-Z- 1	PUP	06 28 35.264	-50 12 10.96	-0.0061	-0.058	5.32						F2		234539	D	
2047	31 THE	CNC	08 28 44.803	+18 15 53.29	-0.0040	-0.060	5.32						GM1		978A1		
2048	41	CAP	21 39 10.107	-23 29 23.82	+0.0074	-0.086	5.32						GG9		190559	D	
2049	24	VUL	20 14 38.627	+24 30 57.46	+0.0012	-0.015	5.32						G8III		88451		
2050	9	CYG	19 32 51.638	+29 21 06.78	+0.0010	+0.026	5.32						F5+A0		873A5		

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2051	51 DRA	19 03 47.703	+53 19 09.26		-0.0009	+0.025	5.32						A0		31371		
2052	20 NU - 1 CRB	16 20 28.367	+33 54 56.32		+0.0003	-0.040	5.32						G02		45257		
2053	21 NU - 2 CRB	16 20 36.066	+33 49 07.65		-0.0008	+0.056	5.32						K5III		65259		
2054	37 OPH	17 10 06.278	+10 38 39.50		+0.0006	-0.026	5.33						G02		101693		
2055	20 CHI SCP	15 39 26.101	+13 00 23.76		+0.0027	-0.015	5.33	2	5.37	2	5.42	2	A P		229095	V	
2056	DEL- 2 TEL	18 28 20.114	-45 47 37.43		+0.0004	-0.006	5.33						B5IV		69413		
2057	27 -B- 1 CYG	20 04 30.205	+35 50 01.52		-0.0189	-0.435	5.33	2	6.18	2	6.72	2	K0IV		49332		
2058	33 VUL	20 56 02.128	+22 07 53.72		-0.0003	+0.001	5.33						GK4		52711	D	
2059	4 AND	23 05 21.702	+46 07 00.65		-0.0014	-0.026	5.33	2	6.74	2	8.46	2	K5III		219985	D	
2060	A VEL	08 27 29.901	-47 45 40.37		-0.0016	-0.002	5.33	2	5.19	2			B5N		152834	V	
2061	FW CMA	07 22 24.487	-16 06 06.39		-0.0014	-0.013	5.33		5.29				B3VE		25733	D	
2062	5 LYN	06 22 27.087	+58 26 49.89		-0.0004	-0.009	5.33						K4III		112170	V?	
2063	5 ORI	04 50 46.173	+02 25 37.57		+0.0020	-0.017	5.33	2	6.97	2	8.90	2	G01		54079		
2064	32 AND	00 38 24.046	+39 11 04.33		-0.0010	-0.002	5.33	2	6.22	2	6.82	2	G8III		38005		
2065	64 AND	02 21 04.737	+49 46 51.65		+0.0025	-0.035	5.33						G8III		111545		
2066	40 TAU	04 01 05.383	+05 17 56.68		-0.0000	-0.007	5.33	2	5.25	2	4.69	2	B3V		194550	DV?	71
2067	-F- 1 ERI	03 46 44.672	-37 46 26.24		+0.0044	-0.010	5.33	2	5.328	2	5.288	2	A0		75495		
2068	32 NU ARI	02 35 58.270	+21 44 46.88		-0.0006	-0.014	5.34		5.500				A7V		112440	D	
2069	14 -I ORI	05 05 09.412	+08 26 05.62		+0.0015	-0.063	5.34	2	5.66	2	5.77	2	A M		132255	V	
2070	VV ORI	05 30 59.051	-01 11 22.96		-0.0006	+0.001	5.34	2	5.16	2	4.25	2	B1V		249309		
2071	G DOR	05 32 43.081	-64 15 37.61		+0.0059	-0.011	5.34	2	6.38	2	7.23	2	G67		112624	V?	
2072	21 ORI	05 16 34.609	+02 32 44.20		-0.0014	-0.046	5.34		5.75	2	5.83	2	F5II		95457		
2073	73 ORI	06 12 56.385	+12 34 06.64		-0.0001	-0.000	5.34		5.310				B9II-III		73205	D	
2074	64 PEG	23 19 28.131	+31 32 17.67		+0.0003	-0.005	5.34		5.230				B3V		91340	V?	
2075	71 PEG	23 30 57.620	+22 13 21.53		+0.0008	-0.014	5.34						G05		85921		
2076	105 HER	18 17 07.136	+24 25 25.98		+0.0008	+0.001	5.34						K4II	7	104722	V	
2077	28 A AQL	19 17 19.291	+12 16 51.58		+0.0004	+0.022	5.34						F2III		87633		
2078	10 VUL	19 41 38.098	+25 39 03.92		+0.0008	+0.022	5.34						G8III		211717	D	
2079	THE- 2 SGR	19 56 36.763	-34 50 03.17		+0.0081	-0.074	5.34						A M?		101951	D	
2080	7 KAP- 1 HER	16 05 48.989	+17 10 43.81		-0.0022	-0.011	5.34	2	6.08	2	6.31	2	G8III		62655	V?	
2081	61 UMA	11 38 25.282	+34 29 02.88		-0.0010	-0.388	5.34						G8V		15606		
2082	3 DRA	11 39 42.090	+67 01 18.18		-0.0078	+0.034	5.34	2	5.34	2	5.30	2	K3III		223245		
2083	E CEN	12 05 38.779	-48 24 51.00		-0.0027	-0.020	5.34						A1V		99525		
2084	73 -N LEO	11 13 15.007	+13 34 50.27		-0.0005	-0.013	5.34	2	6.01	2	6.29	2	K3III		61808		
2085	20 LMI	09 58 08.015	+32 10 13.65		-0.0414	-0.433	5.35	2	6.76	2	8.42	2	G4V		141431		
2086	23 OPH	16 51 55.158	-06 04 25.31		-0.0025	-0.020	5.35	2	6.54	2	7.76	2	K2III		102476	D	
2087	54 HER	16 53 10.220	+18 30 42.58		-0.0078	+0.012	5.35	2	6.92	7			K4III		120955	D	
2088	6 SCP	15 18 29.065	+00 53 45.38		-0.0030	-0.109	5.35	2	5.55	2			K3III		11906	D	
2089	V1351 CYG	19 40 57.796	+55 20 40.10		+0.0009	-0.038	5.35	2	5.870	2			G05		246271	DV	
2090	NU TEL	19 43 56.776	-56 29 05.84		+0.0113	-0.135	5.35						A M		186163		
2091	7 SGR	17 59 47.164	-24 17 01.48		+0.0004	-0.009	5.35	2	5.20	2	4.70	2	F5II		258946		
2092	XI OCT	22 45 48.680	-80 23 19.00		+0.0095	-0.017	5.35						B5		212666		
2093	ZET MIC	20 59 46.618	-38 49 41.15		-0.0024	-0.110	5.35						DF2		190173		
2094	28 PHI CAP	21 12 47.293	-20 51 37.35		+0.0009	+0.004	5.35	2	5.15	2	4.32	2	G69		132591		
2095	55 ORI	05 48 57.053	-07 31 48.00		-0.0002	-0.002	5.35						B2V		233664		
2096	KAP DOR	04 43 35.688	-59 49 26.51		+0.0048	+0.041	5.35						A3		80243		
2097	33 ETA CMC	08 29 49.158	+20 36 44.72		-0.0032	-0.048	5.35						K3III		42490		
2098	34 LYN	08 37 34.214	+46 00 39.49		+0.0022	+0.088	5.35	2	5.74	2			G8IV		248555		
2099	LAM HOR	02 23 29.948	-60 32 06.99		-0.0088	-0.129	5.35	2	6.37	2	7.21	2	F2IIIP		129959		
2100	75 CET	02 29 36.563	-01 15 17.21		-0.0020	-0.033	5.35	2					G63				

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2101	29 -U TAU	03 43 00.821	+05 53 41.52		+0.0010	-0.007	5.35	2	5.24	2	4.63	2	B3V		111400		
2102	PI FOR	01 59 00.799	-30 14 28.88		-0.0082	-0.105	5.35	2	6.23	2			G5III		103455		
2103	12 CAS	00 22 00.992	+61 33 15.31		+0.0016	+0.005	5.36		5.370				B8		11172		
2104	57 PSC	00 43 55.721	+15 12 11.71		-0.0019	-0.040	5.36						GM4		02072	V?	
2105	2 CAM	04 35 59.764	+53 22 36.89		+0.0054	-0.090	5.36						A5M		04744		
2106	52 ARI	03 02 30.350	+25 03 43.21		+0.0002	-0.004	5.36		5.340				B7V		75723		
2107	22 LYN	07 26 08.560	+49 46 40.59		+0.0118	-0.081	5.36	2	5.81	2	5.75	2	F6V		41808		
2108	55 CAM	08 07 51.795	+68 37 25.96		+0.0002	+0.006	5.36						G8II		14456		27
2109	38 -N- 2 ORI	05 31 38.755	+03 44 03.46		-0.0023	-0.018	5.36	2	5.41	2	5.48	2	A2		112904		
2110	45 AUR	06 17 42.473	+53 28 38.36		+0.0033	-0.093	5.36	2	5.79	2	5.91	2	F5III		25681		
2111	5 PEG	21 35 24.935	+19 05 33.85		+0.0072	+0.015	5.36						F0IV		107248		
2112	35 VUL	21 25 27.709	+27 23 24.01		+0.0032	+0.023	5.36		5.400				A1V		89720		
2113	14 CYG	19 37 48.726	+42 42 06.22		+0.0016	+0.030	5.36		5.280				A P		48601		
2114	50 DRA	18 4 59.715	+75 22 33.84		-0.0052	+0.076	5.36						A1		9250		
2115	EPS- 2 ARA	16 59 08.596	-53 09 51.06		-0.0001	-0.143	5.36						DF7		244388		
2116	THE NOR	16 11 36.960	-47 14 47.68		-0.0031	-0.052	5.36						B8		226600		
2117	43 LYN	09 38 54.884	+39 59 12.85		-0.0047	-0.043	5.36						G8III		61676		
2118	-R CEN	13 14 06.074	-31 14 31.61		+0.0028	-0.055	5.36						K1III		204312		
2119	33 BOO	14 36 58.529	+44 37 10.46		-0.0066	-0.020	5.36						A0		45153		
2120	62 UMA	13 37 34.434	+53 10 24.43		-0.0162	+0.056	5.36						A2		28832		
2121	17 SIG CHB	16 12 48.252	+33 59 02.61	N	-0.0221	-0.080	5.367						DF6+DG1		65165	OV?	52
2122	49 DRA	18 59 43.977	+55 35 09.93		-0.0025	-0.005	5.37						G63		31323		
2123	20 AGL	19 09 57.956	-08 01 28.93		+0.0009	-0.007	5.37						B3IV		143134	V?	
2124	29 SGR	18 46 42.092	-20 22 59.81		+0.0003	+0.036	5.37						GK4		187324	OV?	
2125	84 VIR	13 40 32.775	+03 47 25.06		-0.0196	-0.074	5.37	2	6.47	2	7.52	2	K2III		120042	OV?	
2126	74 URA	12 27 37.655	+58 40 50.23		-0.0083	+0.088	5.37						A5		28405		
2127	IOT CHA	09 25 53.343	-80 34 17.84		-0.0593	+0.126	5.37	2	5.81	2	5.85	2	GF2		258530		
2128	8 LMI	09 28 30.175	+35 19 31.32		-0.0046	-0.107	5.37						GM1		61540		
2129	1 OMC VIR	11 35 52.896	+08 24 40.36		-0.0007	+0.002	5.37	2	6.94	2	8.44	2	M4.5III	7	118965	V	
2130	7 -B VIR	11 57 23.194	+03 56 01.03		-0.0014	-0.014	5.37	2	5.37	2	5.37	2	A1		119156		
2131	46 RHO AUR	22 17 34.106	-08 04 22.44		+0.0009	+0.002	5.37	2	5.31	2	4.94	2	B8V		146023		
2132	30 PEG	22 17 56.585	+05 32 15.23		+0.0014	+0.004	5.37	2	5.35	2	4.88	2	B5III		127453	OV?	
2133	KAP- 1 VOL	08 19 58.562	-71 21 20.90		-0.0020	+0.026	5.37	2	5.31	2	5.00	2	B9		256497	D	
2134	95 CET	03 15 48.721	-01 06 39.98		+0.0165	-0.048	5.37	2	6.41	2	7.22	2	K1IV		130408	D	
2135	72 TAU	04 24 17.800	+22 53 07.12		+0.0005	-0.015	5.37						B6V		76613		
2136	41 -D PSC	00 18 01.317	+07 54 45.79		-0.0002	+0.014	5.37	2	6.71	2	8.26	2	GK3		109152	V?	
2137	IOT TUC	01 05 20.132	-62 02 31.21		+0.0111	-0.005	5.37	2	6.25	2			G5III		248324		
2138	69 SIG PSC	01 00 04.340	+31 32 10.89		+0.0011	-0.023	5.38		5.330				B9V		54374		
2139	59 CHI TAU	04 19 32.079	+25 30 46.87		+0.0013	-0.021	5.38		5.360				B9.5V		76573	D	
2140	13 LYN	06 42 34.030	+57 13 25.14		+0.0027	-0.039	5.38						K0III-IV		25947		
2141	14 LYN	06 48 40.820	+59 30 37.68		-0.0006	-0.040	5.38						G60		26012	D	
2142	PI - 2 DOR	06 25 54.363	-69 39 42.97		-0.0026	+0.199	5.38	2	6.35	2	7.02	2	G65		249550		
2143	130 TAU	05 44 31.158	+17 42 43.75		-0.0003	-0.007	5.38						GF4		94858		
2144	IO AUR	05 15 42.409	+33 41 50.28		+0.0009	-0.025	5.38		5.180	7			A0P	4	57884	V	
2145	93 -C- 2 TAU	04 37 16.174	+12 06 03.97		-0.0002	-0.007	5.38		5.270				B7IV		94063		
2146	W CYG	21 34 08.202	+45 09 00.36		+0.0045	+0.010	5.38	2	6.97	2	8.21	2	GM4E		51079	V	
2147	51 CYG	20 40 40.056	+50 09 35.14		-0.0001	-0.007	5.38						B2V		32809	D	
2148	40 CYG	20 25 42.992	+38 16 30.61		-0.0023	-0.068	5.38		5.410				A3V		70056		
2149	U ANT	10 32 59.355	-39 18 12.87		-0.0028	-0.005	5.38	2	8.26	2			NB		201533	V	
2150	7 MU LIB	14 46 34.325	-13 56 30.44		-0.0044	-0.019	5.38		5.440				A P+AP		158821	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2151	15 SGR	18 12 13.877	-20 44 41.67		+0.0002	+0.002	5.38	2	5.45	2	4.58	2	B0IA		186543		
2152	22 AGL	19 14 02.486	+04 44 42.26		+0.0008	-0.015	5.38						A2		124455		
2153	11 SGE	19 55 29.144	+16 39 11.54		+0.0007	+0.018	5.38		5.310				B9IV		105471		
2154	UPS LUP	15 21 28.446	-39 32 00.41		-0.0033	-0.050	5.38						A0SI		206597	D	
2155	41 LIB	15 36 01.533	-19 08 19.16		+0.0059	-0.080	5.38	2	6.24	2	6.78	2	G8III		159411	V?	
2156	2 HER	15 52 57.713	+43 16 59.72		-0.0034	+0.062	5.38	2	7.02	2	8.99	2	SGM3	6	45788	V	
2157	BP BOO	15 41 28.985	+52 31 04.72		-0.0075	+0.029	5.39		5.330	7			A0P		29628		
2158	25 A-2 SCP	15 43 30.243	-01 38 56.29		-0.0020	-0.040	5.39	2	5.36	2	4.96	2	B8		140740		
2159	64 ALP-2 HER	17 12 22.274	+14 26 43.71		-0.0003	+0.043	5.39						G5III?+F2?		102691	D	
2160	39 OMI-2 OPH	17 14 57.520	-24 14 03.53		-0.0039	-0.010	5.39						K1III		185238	D	
2161	72 -W HER	17 18 47.160	+32 31 51.06		+0.0100	-1.043	5.39	2	6.01	2	6.08	2	G2V		65963	DV?	
2162	13 vZ SGE	19 57 47.758	+17 22 43.03		+0.0002	-0.010	5.39						GM4		105522	DV	
2163	56 HYA	14 44 49.286	-25 52 44.62		+0.0031	-0.009	5.39						G5III		182882		
2164	26 COM	12 36 38.080	+21 20 14.11		-0.0060	-0.015	5.39						G68		82421		
2165	79 LEO	11 21 28.316	+01 40 57.05		-0.0015	-0.001	5.39	2	6.33	2	6.99	2	GG7		118831		
2166	30 CAP	21 15 09.166	-18 11 44.64		+0.0011	+0.000	5.39		5.270				B8		164246		
2167	58 PEG	23 07 30.283	+09 33 02.54		-0.0009	-0.006	5.39	2	5.31	2	5.02	2	B8		128007		
2168	ETA-1 PIC	05 01 30.064	-49 13 16.97		-0.0051	+0.026	5.39	2	5.81	2			DF4		217140	D	
2169	75 -L ORI	06 14 21.142	+09 57 44.32		+0.0000	-0.063	5.39	2	5.49	2	5.58	2	A2		113675	D	
2170	FN CMA	07 04 19.773	-11 12 56.53		-0.0012	-0.008	5.39	2	5.44	2	4.60	2	B0.5IV		152304	DV	
2171	59 SIG-2 CMC	08 53 51.783	+33 06 14.89		-0.0038	-0.072	5.39						A3		61146		
2172	GAM-2 FOR	02 47 44.149	-28 08 54.38		+0.0033	+0.032	5.39	2	5.41	2			A1		168082		
2173	RHO TUC	00 40 20.682	-65 44 33.03		+0.0094	+0.048	5.39	2	5.89	2	5.91	2	DF5		248237		
2174	52 PSC	00 29 57.890	+20 01 09.15		+0.0095	-0.041	5.40		6.470				GK0		74084	D	
2175	KAP-1 SCL	00 06 48.219	-28 15 57.79		+0.0054	+0.001	5.40		5.820				DF2		166083	D	
2176	44 -P TAU	04 07 46.846	+26 21 07.73		-0.0024	-0.036	5.40						DF3		76485	V	
2177	1 CAM	04 28 03.574	+53 48 15.94		+0.0000	-0.001	5.40						B0III		24672	D	
2178	2 A UMA	08 30 08.936	+65 19 03.83		-0.0077	-0.066	5.40						A M		14500		
2179	IOT VOL	06 52 01.688	-70 54 05.41		+0.0003	+0.018	5.40	2	5.29	2	4.91	2	B6IV		256344		
2180	R CMA	07 17 12.307	-16 17 59.94		+0.0105	-0.134	5.4		5.750	7			F1V		152724	V	
2181	MZ PUP	08 02 19.176	-32 31 56.35		-0.0006	+0.002	5.40		7.32	7			CM1		198764	V	
2182	48 RT AUR	06 25 21.251	+30 31 33.15		+0.0002	-0.014	5.4		5.820	7			G0		59128	V	
2183	U ORI	05 52 51.005	+20 10 06.19		+0.0001	-0.015	5.4						GM8E		77730	V	
2184	5 A PSC	23 06 07.193	+01 51 18.97		+0.0095	+0.111	5.40	2	6.31	2	6.87	2	G8IV		127903		
2185	7 CEP	21 26 48.310	+66 35 26.39		-0.0028	-0.015	5.40						B7		19432		
2186	66 DRA	20 04 45.227	+61 50 59.76		+0.0167	+0.076	5.40						K3III		18700		
2187	T VUL	20 49 20.753	+28 03 43.75		+0.0001	+0.000	5.4		5.87	7			F5I8		89216	V	
2188	60 CYG	20 59 26.064	+45 57 31.35		+0.0003	+0.011	5.40		5.200				B1VE		50359	D	
2189	S CAR	10 07 46.152	-61 18 14.15		-0.0129	+0.070	5.4						GK5E		250840	V	
2190	10 S SGE	19 53 44.919	+16 30 03.99		+0.0002	-0.003	5.40		6.200				F6I8		105436	V	
2191	FF AQL	18 56 01.162	+17 17 32.43		-0.0003	-0.007	5.40		6.060	7			F5		104296	DV	
2192	Y SGR	18 18 26.491	-18 53 02.76		+0.0007	-0.010	5.40		6.200				F5P		161376	V	
2193	15 RHO CRB	15 59 07.834	+33 27 12.17		-0.0159	-0.768	5.40	2	6.00	2	6.09	2	G2V		65024		
2194	44 ETA LIB	15 41 15.348	-15 30 53.77		-0.0025	-0.067	5.41	2	5.64	2			A5M		159466		
2195	IOT APS	17 16 30.473	-70 04 26.01		+0.0008	-0.015	5.41	2	5.37	2	5.14	2	B8		257401	DV?	
2196	2 OME LEO	09 25 46.858	+09 16 32.01		+0.0036	-0.007	5.41	2	6.01	2	6.15	2	DF8		117717	D	
2197	11 LMI	09 32 39.993	+36 02 14.72		-0.0582	-0.248	5.41	2	6.18	2	6.62	2	G8IV-V		61586	D	
2198	16 PSI LEO	09 41 00.637	+14 15 05.06		+0.0002	-0.007	5.41						GM2		98733		
2199	18 BEO	14 16 50.980	+13 14 02.67		+0.0072	-0.035	5.41	2	5.79	2	5.76	2	F5IV-V		100975		
2200	-A LUP	14 34 02.921	-45 55 00.95		-0.0014	-0.023	5.41	2	6.41	2	7.12	2	K0III		225062	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

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2201		SIG	PAV	20 44 35.935	-68 57 40.51		-0.0122	-0.052	5.41	2	6.53	2	7.62	2	GK0			254871		
2202	67		PEG	23 22 23.656	+32 06 35.86		+0.0011	+0.004	5.41		5.290				B9III			73241		
2203	103		TAU	05 05 03.623	+24 12 03.46		+0.0001	-0.003	5.41						B2V			76974	n	
2204	45		GEM	07 05 29.997	+16 00 44.16		-0.0005	-0.102	5.41						G68			96535	n	
2205	83		TAU	04 27 48.251	+13 37 02.18		+0.0072	-0.021	5.41	2	5.67	2	5.77	2	DF1			93979		
2206		IOT	MOR	02 40 51.285	-51 00 55.10		+0.0349	+0.229	5.41	2	5.97	2			G3IV			232864		
2207	23		CAS	00 44 23.326	+74 34 29.87		+0.0041	-0.002	5.41		5.330				B8			4226		
2208	39		CET	01 14 03.832	-02 45 46.70		-0.0072	-0.059	5.41	2	6.31	2	6.75	2	G65			129204		
2209	46		CAS	01 34 28.470	+72 47 10.46		-0.0024	-0.009	5.41						G8II-III			4453	DV?	
2210	57		CET	01 57 24.985	-21 04 00.26		+0.0003	+0.023	5.41		7.040				GM1			167466		
2211	55		PSC	00 37 17.336	+21 09 51.71		+0.0020	-0.030	5.42						K0II-III			74142	n	
2212	70		CET	02 19 39.354	-01 06 42.00		-0.0018	-0.050	5.42	2	5.73	2	5.83	2	A5			129858		
2213	6		CAS	23 46 23.239	+61 56 11.81		-0.0008	+0.005	5.42	2	6.08	2	6.06	2	A3IA			20869	DV?	
2214	3		PSA	21 10 19.673	-27 49 28.35		+0.0074	-0.116	5.42	2	6.84	2			K5III			100129		122
2215	46	OME- 2	CYG	20 29 46.145	+49 03 02.97		+0.0008	-0.026	5.42						GM2			49741	V?	
2216	27		VUL	20 34 56.567	+26 17 12.96		+0.0010	-0.005	5.42		5.340				B9V			88903		
2217	12	ETA	PSA	21 57 58.127	-28 41 39.91		+0.0013	+0.010	5.42	2	5.32	2			B8V			100822	n	
2218		THE	CIR	14 52 41.002	-62 34 45.96		-0.0006	-0.004	5.42						B3VNE			252965	n	
2219		ZET	OCT	09 04 20.783	-85 27 58.13		-0.0952	+0.033	5.42	2	5.73	2	5.80	2	F0III			258515		
2220	69	-P- 5	LEO	11 11 11.950	+00 12 09.95		-0.0031	-0.006	5.42	2	5.39	2	5.34	2	A0			118731		
2221	62	-Y	HER	17 35 19.066	+48 36 50.00		+0.0026	+0.064	5.42						GK1			46838		
2222	14	-G	AQL	19 00 16.464	-03 46 22.86		+0.0013	+0.007	5.42	2	5.42	2	5.35	2	AN			142959		
2223	43		OPH	17 20 12.591	-28 05 46.83		+0.0004	-0.032	5.43						GK5			185350		
2224	9	PI	CRB	15 42 00.960	+32 40 21.41		-0.0027	-0.013	5.43						G69			64870		
2225	40		LMI	10 40 17.337	+26 35 19.14		-0.0078	-0.067	5.43		5.600				A5V			81485	n	
2226	82	PI	CJC	09 12 28.346	+15 09 00.14		-0.0028	-0.013	5.43						GK1			98456		92
2227	41		LYN	09 25 23.853	+45 49 18.84		-0.0010	-0.127	5.43						G65			42876		
2228	81		UMA	13 32 12.066	+55 36 15.08		-0.0031	-0.007	5.43						A0SJ			28803		
2229	25		VUL	20 19 54.342	+24 17 07.72		-0.0001	-0.004	5.43		5.410				B1IVE			88580		
2230	2		PSC	22 56 53.637	+00 41 43.79		+0.0056	-0.066	5.43	2	6.41	2	7.24	2	GK1			127881	n	
2231	83	-H- 1	AQR	23 02 33.367	-07 57 50.40		+0.0085	+0.015	5.43	2	5.73	2	5.80	2	F2V			146498	D	
2232	43	SIG	ARI	02 48 43.655	+14 52 38.06		+0.0022	-0.024	5.43		5.330				B7V			93144		
2233	60		CET	02 00 37.628	-00 06 42.26		+0.0049	+0.021	5.43	2	5.58	2	5.70	2	A3M			129655		
2234		-Y- 1	PUF	07 27 21.722	-38 42 27.65		-0.0025	+0.019	5.43	2	5.27	2			B3IV			198045		
2235	16	-H	ORI	05 06 34.444	+09 46 01.19		+0.0042	-0.005	5.43	2	5.67	2	5.82	2	A M			112467		
2236	26		AJR	05 35 25.293	+30 27 52.83		-0.0014	-0.009	5.43		5.840				G5III?+A3			58280	DV?	
2237	25		CET	01 00 30.712	-05 06 12.94		-0.0075	+0.102	5.44	2	6.55	2	7.59	2	K0III-IV			129094		
2238	10		CAS	00 03 49.656	+63 55 04.66		+0.0014	+0.005	5.44		5.420				B8			10978		
2239	37		ERI	04 07 56.008	-07 03 11.61		-0.0006	-0.012	5.44	2	6.38	2	7.05	2	G66			131001		
2240	12		CEP	21 45 56.671	+60 27 36.67		-0.0014	+0.005	5.44						GM1			19642		
2241	87		VIR	13 44 41.863	-17 36 37.17		+0.0039	-0.039	5.44	2	7.05	2	8.98	2	M1III			158165		
2242	12		LIB	14 51 25.503	-24 26 20.00		-0.0007	-0.031	5.44						GK2			182983		
2243		BG	CRU	12 28 51.856	-59 08 52.21		-0.0018	-0.008	5.44		6.01	7	6.37	7	F5I8-GOP	7		240027	V	
2244		-C- 3	CEN	11 35 08.091	-47 28 13.95		-0.0074	+0.024	5.44	2	6.68	2			GK2			222917		
2245	60	-C	SCA	18 27 04.776	-02 01 09.27		+0.0020	-0.033	5.44						K0III			142348		
2246	89	V 441	HER	17 53 24.044	+26 03 24.14		+0.0002	+0.007	5.45	2	5.79	2	6.06	2	F2IA			85545	V	
2247	54		SGR	19 37 51.562	-16 24 33.95		+0.0047	-0.045	5.45						K2III			162883	D	
2248	12	LAM	CRB	15 53 58.374	+38 05 25.28		+0.0029	+0.079	5.45	2	5.78	2	5.81	2	F2			64974		
2249		LAM	NOR	16 15 48.406	-42 33 12.05		+0.0014	-0.013	5.45	2	5.55	2			A3VN			226650	D	
2250	51	-M	LEO	10 43 43.048	+19 09 20.39		+0.0068	-0.043	5.45						GK3			99281		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
2251	-P- 1 LEO	10 51 10.905	-01 51 46.93		-0.0058	+0.009	5.45	2	6.41	2	7.18	2	G66		137871		
2252	NU CHA	09 46 21.206	-76 32 34.41		+0.0297	-0.051	5.45	2	6.34	2	6.91	2	K0		256658		
2253	63 VIR	13 20 20.138	-17 28 26.35		-0.0035	-0.034	5.45						K0III		157809	V?	
2254	16 LAM	22 11 28.964	-28 00 56.11		+0.0021	+0.002	5.45		5.340				B8III		190985		
2255	41 AGR	22 11 32.452	-21 19 25.50		+0.0011	+0.069	5.45						K0III		190986		
2256	4 ERI	02 55 10.270	-24 03 41.80		+0.0069	-0.027	5.45	2	5.68	2			A4		168183	DV?	
2257	48 CEP	03 13 53.961	+77 33 14.61		+0.0201	-0.055	5.45	2	5.64	2	5.75	2	A4N		4875	DV?	
2258	15 TRI	02 32 44.239	+34 28 14.37		+0.0024	-0.046	5.45						GM3		55687	DV?	
2259	36 AND	00 52 17.076	+23 21 28.90		+0.0095	-0.026	5.45						SGK1		74359	DV?	
2260	LAM- 2 TUC	00 53 08.641	-69 47 50.02		+0.0021	-0.041	5.45	2	6.54	2	7.54	2	G7III		248281	D	
2261	ZET PIC	05 18 08.388	-50 39 32.36		+0.0017	+0.228	5.45	2	5.96	2			F8III		233926		
2262	40 CAM	06 11 11.137	+60 00 56.59		+0.0046	-0.020	5.45						GK3		13772		
2263	THE MEN	06 59 45.989	-79 21 01.00		-0.0032	-0.002	5.45	2	5.50	2	5.43	2	A0		256355		
2264	21 MON	07 08 50.243	-00 13 04.59		-0.0023	-0.013	5.46	2	5.75	2	5.89	2	ABN		134316	V	
2265	64 SIG- 3 CNC	08 56 28.705	+32 36 50.89		-0.0036	-0.039	5.46						GG9		61177		
2266	69 NU CNC	08 59 49.072	+24 39 03.46		-0.0002	-0.007	5.46	2	5.43	2	5.33	2	A P		80595		
2267	20 HYA	09 07 08.810	-08 35 01.37		-0.0016	-0.015	5.46	2	6.47	2	7.25	2	G66		136622	DV	
2268	FR CMA	06 19 04.808	-11 44 55.60		-0.0011	-0.007	5.46		5.45	7			B1VPE	6	151401		
2269	18 ORI	05 13 17.327	+11 17 12.31		-0.0003	-0.009	5.46		5.440				A0III		94426		
2270	33 -N- 1 ORI	05 28 36.990	+03 15 20.92		-0.0002	+0.004	5.46	2	5.29	2	4.47	2	B1.5V		112861	D	
2271	14 PER	02 40 49.110	+44 05 09.02		+0.0002	-0.004	5.46						G0IB		38289		
2272	47 CEP	02 59 21.230	+79 13 26.34		-0.0129	+0.012	5.46						M1III?		4810	D	
2273	16 TAU	03 41 49.528	+24 08 01.54		+0.0009	-0.043	5.46	2	5.42	2	5.09	2	B7IV		76126		
2274	38 -E AGR	22 07 57.179	-11 48 41.98		+0.0020	+0.012	5.46		5.340				B6III?		164910		
2275	7 SIG CAP	20 16 30.618	-19 16 33.69		+0.0004	-0.006	5.46						K3II		163445		
2276	75 DRA	20 31 28.005	+81 15 11.50		+0.0115	+0.018	5.46						G9III		3408		
2277	26 CEP	22 25 28.567	+64 52 37.17		+0.0002	+0.003	5.46	2	5.83	2	5.24	2	B0.5IB		20075		
2278	7 DRA	12 45 32.195	+67 03 46.82		+0.0002	-0.007	5.46						GK5		15902		
2279	IOT OCT	12 49 30.427	-84 51 08.65		+0.0508	+0.025	5.46	2	6.48	2	7.27	2	K0III		258654	D	
2280	21 UU COM	12 28 30.830	+24 50 35.98		-0.0009	-0.013	5.46	2	5.51	2	5.61	2	A P		82346	V	
2281	3 CRV	12 08 29.091	-23 19 26.24		-0.0047	-0.021	5.46	2	5.52	2			A2		180546		
2282	95 VIR	14 04 03.906	-09 04 32.68		-0.0096	+0.006	5.46	2	5.80	2			ABN		139736		
2283	34 DRA	17 56 02.907	+72 00 37.92		+0.0002	+0.003	5.46						F2		8961		
2284	64 SCA	18 54 45.652	+02 28 05.27		-0.0005	-0.011	5.47		5.470				B8		124089		
2285	PHI OCT	18 16 52.945	-75 04 08.55		+0.0014	+0.032	5.47	2	5.49	2	5.53	2	A0		257584		
2286	SIG OCT	20 15 03.002	-89 08 18.48		+0.1170	-0.001	5.47	2	5.73	2	5.86	2	F0		258857		
2287	108 VIR	14 42 57.203	+00 55 38.42		-0.0027	-0.010	5.47		5.440				B9		120642		
2288	24 HYA	09 14 14.336	-08 32 06.30		-0.0017	-0.001	5.47	2	5.38	2	5.08	2	B9		136728		
2289	H CAR	09 31 14.673	-72 51 32.55		-0.0043	-0.007	5.47	2	7.03	2	8.77	2	K2		256634		
2290	52 -K LEO	10 43 46.476	+14 27 33.03		-0.0087	-0.069	5.47						G64		99282		
2291	DEL- 1 CHA	10 44 48.860	-80 12 19.79		-0.0133	-0.034	5.47	2	6.42	2	7.16	2	G68		258592	D	
2292	59 UMA	11 35 41.090	+43 54 10.14		-0.0136	-0.038	5.47		5.570				A7N		43837		
2293	95 -O LEO	11 53 06.284	+15 55 30.08		+0.0006	-0.004	5.47		5.370				A3V		99869		
2294	38 PEG	22 27 44.365	+32 18 58.18		+0.0027	-0.010	5.47						B9V		72406		
2295	NU GRU	22 25 43.747	-39 23 07.96		+0.0031	-0.164	5.47	2	6.42	2			G9III		213850	D	
2296	50 PER	04 05 16.224	+37 54 38.68		+0.0139	-0.198	5.47						DF7		57006	D	
2297	30 PER	03 14 24.905	+43 50 34.19		+0.0030	-0.026	5.47	2	5.41	2	5.07	2	B8V		38704		
2298	34 PSC	00 07 27.872	+10 52 03.14		+0.0027	+0.002	5.47		5.410				B8V		91750	D	
2299	1 PER	01 48 41.326	+54 54 03.02		+0.0024	-0.003	5.47						B2V		22690		
2300	116 TAU	05 24 53.103	+15 50 01.13		+0.0004	-0.022	5.47		5.480				B9V		94566		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
2301	ETA MEN	04 56 36.505	-75 00 52.73		+0.0072	+0.058	5.47	2	6.99	2	8.81	2	K6III		256145		
2302	KAP MEN	05 53 38.860	-79 22 19.42		-0.0073	+0.066	5.47	2	5.39	2	5.15	2	B9		256248		
2303	27 OMI	05 42 01.442	+49 48 24.60		-0.0010	+0.000	5.47	2	5.50	2	5.57	2	A P		40543		
2304	ETA CHA	08 43 04.655	-78 46 57.76		-0.0078	+0.021	5.47	2	5.37	2	5.02	2	B9IV		256543		
2305	57 IOT- 2	08 51 11.894	+30 46 12.40		+0.0030	-0.023	5.47						GG7		61125	7	
2306	FY	07 24 52.189	-22 59 02.77		-0.0012	+0.001	5.48		5.34	7			B0IV-VPE	7	173752	V	
2307	PI - 2	06 06 19.651	-42 08 42.46		-0.0006	-0.014	5.48						A0		217730		
2308	28	06 41 35.355	+29 01 24.11		-0.0006	-0.027	5.48						GK4		78692	V?	
2309	55	01 50 16.819	+40 29 02.26		-0.0005	+0.001	5.48						GK1		17587		
2310	50	01 33 32.584	-15 39 19.02		+0.0009	+0.020	5.48						K2III		147901		
2311	86	00 03 07.764	+13 07 05.39		+0.0031	+0.005	5.48						GG5		01701		
2312	87	00 06 27.408	+17 56 02.94		+0.0096	-0.020	5.48						GG9		91734		
2313	81	04 27 47.539	+15 35 05.33		+0.0071	-0.022	5.48	2	5.74	2	5.84	2	A7M		93978		
2314	30	03 50 13.259	-05 30 33.52		-0.0011	-0.009	5.48	2	5.38	2	4.97	2	B8		130789	D	
2315	77	21 40 21.989	+40 50 53.19		+0.0016	+0.007	5.48						A0		51207	D	
2316	37	22 27 26.247	+04 10 37.65		-0.0017	-0.139	5.48	2	5.86	2	5.95	2	F5IV		127551	7	
2317	EW	22 54 51.568	+48 24 59.85		+0.0015	+0.000	5.48		5.420				B2PPE		52596	V	
2318	14	14 11 40.773	+13 11 35.16		-0.0176	-0.055	5.48						DF6		100925	V?	
2319	18	12 26 56.989	+24 23 06.44		-0.0023	-0.005	5.48	2	5.91	2	6.00	2	F5IV		82333		
2320	21	12 31 11.720	-09 10 35.01		-0.0057	+0.001	5.48	2	5.45	2	5.35	2	A0		138845		
2321	9	16 10 46.847	+05 08 50.90		+0.0028	-0.009	5.48						GK5		121431		
2322	19	16 12 13.173	+76 00 15.27		-0.0019	+0.012	5.48		5.330				B8		8446		
2323	25	16 23 37.134	+37 30 24.63		-0.0002	-0.012	5.48						A3		65290		
2324	27	16 53 55.283	-33 10 55.16		-0.0006	-0.006	5.48	2	7.07	2			K5		208232		
2325	49	15 57 30.952	-16 23 15.25		-0.0442	-0.396	5.48	2	6.00	2	6.02	2	F8V		159625		
2326	KAP- 1	15 26 01.065	-73 13 07.26		+0.0008	-0.019	5.49	2	5.37	2	4.61	2	B3IV		257289	D	
2327	47	16 47 53.570	+07 19 57.13		+0.0034	-0.012	5.49	2	5.59	2	5.70	2	A M		121895	V?	
2328	16	16 09 24.502	-08 25 11.52		+0.0026	-0.001	5.49						A3		141024		
2329	18	16 12 53.968	-08 14 19.23		+0.0154	-0.505	5.49	2	6.14	2	6.31	2	DG1		141066	DV?	
2330	27	19 18 00.843	-00 59 11.83		+0.0002	+0.007	5.49	2	5.45	2	5.22	2	B9		143292		
2331	ETA- 1	18 45 14.049	-43 44 11.56		+0.0022	-0.017	5.49	2	5.62	2			A2		229299		
2332	IOT	18 05 47.292	-62 00 54.61		-0.0110	+0.225	5.49	2	6.07	2			G0		254157		
2333	53	17 32 14.147	+09 37 08.37		+0.0002	-0.008	5.49	2	5.51	2	5.52	2	A2		122526	D	
2334	24	14 26 53.392	+50 04 04.36		-0.0322	-0.049	5.49						GG4		29165		
2335	84	13 44 43.755	+54 40 55.31		-0.0027	-0.004	5.49		5.400				A P		28885		
2336	TAU	23 21 22.170	-87 45 27.44		+0.0325	+0.011	5.49	2	6.76	2	8.19	2	K2III		258970		
2337	75	23 35 25.097	+18 07 24.71		+0.0034	+0.024	5.49		5.460				A1V		108732	D	
2338	20	23 45 22.259	-03 02 22.61		+0.0062	+0.010	5.49	2	6.43	2	7.13	2	G8III		146915		
2339	18	21 21 27.648	-13 05 37.46		+0.0060	+0.009	5.49	2	5.78	2			A9III		164364	V?	
2340	19	20 09 42.523	+26 39 31.53		+0.0004	-0.007	5.49	2	6.90	2	8.40	2	K3II-III		88330		
2341	43	04 06 14.929	+19 28 43.16		+0.0076	-0.030	5.49						GK1		93785		
2342	ETA- 3	02 48 39.120	-35 52 50.71		+0.0001	-0.057	5.49						GK5		193944		
2343	24 XI	02 22 07.978	+10 23 06.91		+0.0013	-0.009	5.49		5.380				B6		92932		
2344	47	01 20 48.433	+37 27 16.74		+0.0066	-0.013	5.49		5.750				A M		54655		
2345	32 RU	01 08 24.582	+64 45 12.98		+0.0039	-0.010	5.49		5.390				B8		11617	V	
2346	70	07 35 16.127	+35 09 44.62		+0.0030	+0.027	5.49						GG5		60243	D	
2347	-H	08 47 47.351	-40 07 59.83		-0.0013	-0.017	5.49	2	5.55	2			A2		220531		
2348	75 RHO- 1	17 21 57.051	+37 11 29.80		-0.0038	+0.003	5.498	2	5.498	2	5.448	2	B9V		66000	D	77
2349	17 CHI	16 11 04.686	-11 42 41.93		-0.0009	-0.010	5.50						K3III		159793		
2350	35 ZET	15 30 05.435	-16 41 04.86		-0.0009	-0.018	5.50	2	5.36	2			B2VNN		159335		

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OF POOR QUALITY

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
2351	108 HER	18 19 01.413	+29 50 02.32		+0.0009	+0.057	5.50		5.720				A M		85956		
2352	R AQL	19 03 57.671	+08 09 10.25		+0.0002	-0.069	5.5						GM7F		124266	V	132
2353	14 SGE	20 01 12.665	+15 53 22.93		+0.0001	-0.003	5.50		5.370				B8III-III	7	105615		
2354	27 BP CNC	08 23 58.076	+12 49 15.71		-0.0018	-0.103	5.50	2	7.10	2	9.02	2	M3III		97819	V	
2355	AH VEL	08 10 25.576	-46 29 36.76		-0.0006	+0.007	5.50		6.100				F8P		219587	V	
2356	3 EPS TRI	02 00 02.186	+33 02 38.48		-0.0013	-0.009	5.50	2	5.53	2	5.59	2	A2III		55218	D	
2357	SIG SCL	01 00 03.237	-31 49 14.89		+0.0060	+0.017	5.50	2	5.58	2			A2V		192884		
2358	81 PSI- 3 PSC	01 07 08.495	+19 23 32.33		-0.0004	+0.013	5.50						GF5		92283		
2359	46 RHO ARI	02 53 36.479	+17 49 30.02		+0.0193	-0.207	5.50						DF5		93105		
2360	-B- 2 PER	04 16 23.644	+50 48 05.63		+0.0006	-0.002	5.50						B2IV		24544	V?	
2361	36 CYG	20 16 36.103	+36 50 32.51		+0.0028	+0.027	5.50		5.560				A3V		69803		
2362	51 PEG	22 55 00.357	+20 30 01.00		+0.0145	+0.063	5.50	2	6.17	2	6.37	2	G5V		90896	V?	
2363	RR SCO	16 53 26.307	-30 30 08.28		+0.0007	-0.023	5.5	4					M6E	4	208221	V	
2364	THE APS	14 00 23.288	-76 33 24.73		-0.0249	-0.035	5.5						M4		257112	V	
2365	T UMA	12 34 07.200	+59 45 43.32		-0.0037	-0.015	5.5						GM4E		28444	V	
2366	-Y VEL	09 36 04.084	-42 57 52.13		+0.0022	-0.035	5.50	2	6.50	2	7.17	2	GG6		221355		
2367	37 LEO	10 13 59.806	+13 58 42.16		-0.0015	-0.020	5.51						GM1		99074		
2368	THE MUS	13 04 52.075	-65 02 21.47		-0.0014	-0.015	5.51	2	5.49	2	4.62	2	B0I?+WC6		252162	D	
2369	PSI OCT	22 13 02.861	-77 45 42.41		-0.0160	-0.013	5.51	2	5.82	2	5.94	2	A6IV		258020		
2370	15 PEG	21 50 15.806	+28 33 31.24		-0.0046	-0.062	5.51						DF0		90065		
2371	66 CET	02 10 14.099	-02 37 35.38		+0.0244	-0.064	5.51	2	6.09	2	6.18	2	DF9		129752	D	
2372	67 CET	02 14 29.251	-06 39 05.98		+0.0059	-0.105	5.51	2	6.47	2	7.22	2	G8III		129798		
2373	AR CET	01 57 57.839	-08 45 54.46		+0.0061	-0.007	5.51	2	7.03	2	8.36	2	GM5		129624	V	
2374	PI TUC	00 18 20.648	-69 54 08.81		-0.0017	+0.000	5.51	2	5.46	2	5.32	2	B9		248167		
2375	53 AUR	06 35 12.754	+29 01 44.55		-0.0015	-0.022	5.51		5.500				A P		78571		
2376	62 -B ERI	04 53 56.292	-05 14 56.71		-0.0009	-0.006	5.51	2	5.38	2	4.82	2	B9		131614		
2377	58 ERI	04 45 21.453	-17 01 28.54		+0.0088	+0.171	5.51	2	6.15	2			DG1		149888		
2378	5 CAM	04 50 57.347	+55 10 44.56		-0.0013	-0.006	5.51						A0		24904	D	
2379	83 HER	17 40 25.238	+24 35 16.75		-0.0042	-0.105	5.51	2	6.97	2	8.65	2	K4III		85344		
2380	11 DEL- 1 LYR	18 51 58.672	+36 54 29.15		-0.0001	-0.003	5.51						B3		67537	V?	
2381	1 OMI CRB	15 18 04.325	+29 47 47.25		-0.0094	-0.049	5.51	2	6.53	2	7.30	2	K0III		83768		
2382	AT DRA	16 16 24.952	+59 52 32.55		+0.0001	+0.023	5.51						GM4		29874	V	
2383	21 OPH	16 48 52.612	+01 17 59.36		-0.0017	-0.006	5.51	2	5.56	2	5.59	2	A0		121911	D	
2384	THE TRA	16 30 54.840	-65 23 32.26		+0.0057	-0.042	5.52	2	6.45	2	7.18	2	GG9		253614		
2385	28 -N HER	16 30 07.906	+05 37 34.43		+0.0011	-0.002	5.52		5.470				B8		121676		
2386	63 TAU AQL	20 01 41.745	+07 08 07.87		+0.0009	+0.013	5.52	2	6.58	2	7.44	2	GK0		125403		
2387	45 AQL	19 38 08.772	-00 44 18.60		+0.0010	+0.017	5.52						A2		143678	D	
2388	42 AQL	19 35 08.149	-04 45 38.28		+0.0069	-0.050	5.52						DF1		143621		
2389	29 LYN	08 13 42.052	+59 43 35.42		-0.0001	+0.001	5.52						A5		26756		
2390	5 A PUP	07 45 36.136	-12 04 07.99		-0.0080	+0.055	5.52						DF5		153414	D	
2391	58 PSC	00 44 24.737	+11 42 05.50		+0.0037	-0.027	5.52						GG9		92080		
2392	LAM- 2 PHE	00 33 18.316	-48 16 29.40		+0.0044	-0.098	5.52						DF7		215157		
2393	IOT HYI	03 17 09.867	-77 34 17.51		+0.0351	+0.066	5.52	2	5.96	2	5.96	2	F2		255973		
2394	29 RHO CEP	22 29 27.436	+78 34 03.35		+0.0000	-0.016	5.52						A2		10402		
2395	42 UMA	10 48 16.051	+59 35 09.85		-0.0041	-0.057	5.52						GK2		27793		
2396	65 -P- 4 LEO	11 04 21.165	+02 13 38.29		-0.0256	-0.089	5.52	2	6.48	2	7.14	2	GG7		118668	D	
2397	34 LMI	10 30 39.694	+35 14 48.44		-0.0025	-0.011	5.53		5.550				A2V		62121		
2398	MU CHA	10 02 08.751	-81 58 22.94		-0.0162	+0.032	5.53	2	5.56	2	5.61	2	A0		258554		
2399	OMI IND	21 46 35.522	-69 51 48.68		-0.0041	-0.004	5.53	2	6.90	2	8.53	2	K5III		2550A7		
2400	18 VUL	20 08 28.186	+26 45 17.63		+0.0014	+0.016	5.53	2	5.61	2	5.74	2	A3III		88295		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T. NO.	STAR PROP.	G N
2401	4	CEP	20 42 33.850	+66 28 31.53	+0.0037	+0.039	5.53	2	5.38	2	4.81	2	A5		19004		
2402	22	ERI	03 38 09.643	-05 22 15.47	-0.0005	-0.006	5.53	2	5.39	2	4.88	2	B8		130652		
2403	THE	HYI	03 02 06.283	-72 05 51.69	+0.0065	+0.019	5.53	2	7.12	2	9.05	2	M0III		255945	n	
2404	80	CET	02 33 32.231	-08 02 53.22	-0.0026	-0.057	5.53	2	5.87	2	5.86	2	F2V		130004		
2405	80	-E	PSC	01 05 47.464	+05 23 08.68	-0.0177	-0.175	5.53	2				GK1		109697		
2406	94	PSC	01 23 59.312	+18 58 55.02	+0.0035	-0.056	5.53	2	6.81	2	8.23	2	GK1		92444		
2407	EPS	MEN	07 28 25.568	-78 59 27.44	-0.0114	+0.010	5.53	2					GK2		256415		
2408	17	CAM	05 25 26.423	+63 01 42.13	-0.0005	-0.002	5.53						GM1		13518		
2409	15	-H	AQL	19 02 19.217	-04 06 26.70	+0.0011	-0.027	5.53					GK1		142996		
2410	58	AQL	19 52 11.093	+00 08 29.86	+0.0026	-0.010	5.53						A0		125219		
2411	16	UMI	16 05 08.302	+76 55 40.90	-0.0080	+0.015	5.53						A0		8417		
2412	40	BOO	14 57 41.851	+39 27 45.54	-0.0029	+0.035	5.53	2	5.65	2	5.76	2	F2		64449		
2413	30	SCP	15 46 19.438	-03 39 59.75	-0.0024	+0.006	5.53	2	5.628	2	5.708	2	A		140775		143
2414	XI - 2	LUP	15 53 41.908	-33 49 10.11	+0.0016	-0.042	5.53	2	6.680	2		2	A0		207145	D	96
2415	PHI	SCP	15 54 56.014	+14 33 23.38	-0.0084	+0.085	5.54						K1IV		101834		
2416	4	EPS	SGE	19 35 01.520	+16 20 57.07	+0.0013	+0.016	5.54					G8III		105061	DV?	
2417	84	HER	17 41 18.329	+24 20 53.48	-0.0085	+0.071	5.54						GG6		153360		
2418	120	TAU	05 30 35.670	+18 30 22.95	-0.0001	-0.001	5.54						B P		94649		
2419	35	ORI	05 31 03.632	+14 16 20.54	-0.0006	-0.004	5.54	2	5.76	2	5.86	2	B3		94652		
2420	122	TAU	05 34 09.520	+17 00 40.36	+0.0032	-0.032	5.54	2	5.42	2	4.96	2	A5		04770		
2421	MU	MEN	04 43 33.295	-71 01 22.82	+0.0030	+0.034	5.54	2	5.540				B9IV		256122		
2422	98	-K	TAU	04 55 05.588	+24 58 30.10	+0.0022	-0.049	5.54					B9.5V?		76862	n	
2423	51	AUR	06 35 11.702	+39 26 13.19	-0.0019	-0.111	5.54		5.500				GK5		59316		
2424	137	TAU	05 49 31.762	+14 09 38.95	-0.0014	-0.006	5.54						A P		94945		
2425	SIG	COL	05 54 27.969	-31 23 17.23	-0.0001	+0.008	5.54						F0		196330		
2426	0	PUP	07 47 25.628	-17 05 59.44	+0.0033	-0.120	5.54	2	5.69	2	5.83	2	K3III		153454	DV?	
2427	15	HYA	08 49 06.972	-06 59 19.51	-0.0033	-0.003	5.54	2	6.03	2			A M		136345		
2428	18	PUP	08 08 20.745	-13 39 03.44	-0.0170	+0.052	5.54	2					DF7		153924		
2429	10	ARI	02 00 48.666	+25 41 44.23	+0.0099	+0.027	5.54						DF4		75114	n	
2430	68	-H	PSC	00 55 07.383	+28 43 20.47	+0.0005	-0.005	5.54					GG6		74395		
2431	ZET- 1	RET	03 16 40.785	-62 45 57.85	+0.1946	+0.661	5.54	2	6.18	2			G2V		248770		
2432	62	ARI	03 19 11.403	+27 25 45.84	+0.0007	-0.011	5.54						GG5		75892		
2433	RHU	FGR	03 45 54.769	-30 19 03.33	+0.0020	-0.243	5.54	2	6.52	2			GG5		194535	V?	
2434	55	PER	04 21 14.140	+34 00 59.92	+0.0016	-0.043	5.54		5.470				B7V		57212		
2435	16	DEL	20 53 15.368	+12 22 34.43	+0.0026	+0.021	5.54		5.650				A4V		106666	n	
2436	30	AQR	22 00 38.685	-06 45 53.48	+0.0028	+0.009	5.54	2	6.50	2	7.23	2	G5		145836		
2437	OMI	GRU	23 23 49.239	-52 59 55.03	+0.0037	+0.131	5.54						F3IV		247874		
2438	PHI	GRU	23 15 24.684	-41 05 46.60	+0.0118	-0.124	5.54	2	5.98	2			DF6		231539		
2439	22	PSC	23 49 24.141	+02 39 08.59	+0.0008	-0.010	5.54	2	7.07	2	8.92	2	K4II		128427		
2440	46	LEO	10 29 31.730	+14 23 40.08	-0.0028	+0.018	5.54	2					GM2		99172	V?	
2441	-G	VIR	13 05 55.822	-08 43 01.10	-0.0025	-0.066	5.55	2	6.73	2	7.91	2	GK3		139175		
2442	23	CVN	13 18 04.621	+40 24 44.81	-0.0054	-0.008	5.55						GK1		44570		
2443	70	UMA	12 18 25.940	+58 08 32.32	+0.0049	-0.077	5.55	2	5.94	2	5.94	2	GK5		28346		
2444	96	AQR	23 16 48.401	-05 23 52.39	+0.0133	-0.016	5.55	2					F2		146639	D	
2445	27	PI - 1	PEG	22 07 00.491	+32 55 38.77	-0.0048	-0.062	5.55					GG6		72064	D	
2446	42	AQR	22 14 07.520	-13 04 53.41	+0.0008	+0.009	5.55	2	5.47	2	5.20	2	GK0		164974		
2447	5	AQR	20 49 30.076	-05 41 44.64	-0.0001	+0.003	5.55	2	5.45	2	4.90	2	B8		144889	V?	
2448	44	ERI	04 25 56.882	+01 16 17.25	+0.0009	-0.019	5.55	2	6.97	2	8.69	2	B8		111845		
2449	25	ERI	03 42 22.897	-00 27 09.50	+0.0035	-0.002	5.55	2	7.10	2	8.94	2	K4III		130704		
2450	PI - 1	HYI	02 13 11.635	-68 04 28.80	+0.0074	+0.040	5.55	2					GM0		248518		69

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2451	74 PSI- 1A PSC	01 02 59.772	+21 12 21.62		+0.0036	-0.011	5.55		5.510				B9.5IV		74442	"	
2452	6 UWA	06 52 21.685	+64 47 49.80		-0.0040	-0.084	5.55						GG3		14703		
2453	3 CAC	07 57 55.470	+17 26 49.93		-0.0007	-0.008	5.55						CK3		07472		
2454	135 78 TAU	05 47 38.111	+14 17 34.37		+0.0004	-0.036	5.55	2	6.93	2	8.54	2	GG9		04904		114
2455	10 ORI	06 24 42.142	-00 14 40.02		-0.0003	-0.009	5.55	2	5.55	2			GK5		133269		
2456	51 LEP	05 28 59.116	-20 53 57.85		-0.0000	-0.045	5.55						A0		170506		
2457	1 AGL	19 48 01.762	-10 53 30.81		-0.0021	+0.034	5.55						F0IV		163036	"	
2458	1 SGE	19 13 08.019	+21 08 36.41		+0.0027	+0.013	5.55	2	5.60	2	5.55	2	A1		869A7		
2459	50 LIB	15 58 05.433	-08 16 17.12		-0.0012	-0.018	5.55	2					A0		140807		
2460	26 LYN	07 51 04.651	+47 41 46.35		-0.0048	-0.000	5.555						GK4		42058		
2461	-Z- 2 PUP	07 32 02.380	-36 13 43.04		-0.0015	-0.001	5.56	2	5.50	2			B3?VNEK		198130		
2462	60 CAC	08 53 11.839	+11 49 06.01		-0.0007	-0.014	5.56						GK5		98235	V?	
2463	PI - 1 DOR	06 23 06.711	-69 57 24.43		+0.0043	+0.026	5.56	2	7.07	2	8.89	2	K5		249532		
2464	102 PI	01 34 26.628	+11 53 11.61		-0.0045	+0.048	5.56						A5N		92536		
2465	-0- 1 ERI	01 40 33.854	-53 59 26.95		+0.0194	-0.086	5.56						SGG0		232501		
2466	KAP- 2 SCL	00 09 02.232	-28 04 41.40		+0.0009	+0.020	5.56	2	5.48	2	5.29	2	K5III		166103		
2467	5 ERI	02 57 09.496	-02 39 46.32		-0.0011	-0.021	5.56						B9		130228	V?	
2468	13 TAU	03 39 25.620	+19 32 29.98		+0.0001	-0.010	5.56		5.550				B8V		93557		
2469	36 TAU	04 01 21.932	+23 58 11.82		-0.0002	-0.012	5.56						F5+A		76425	"	
2470	47 -K BOO	15 03 46.364	+48 20 36.15		-0.0071	+0.028	5.56						A0		45370	DV?	
2471	46 -B BOO	15 06 14.172	+26 29 30.45		+0.0003	-0.017	5.56						GK2		83682		
2472	49 CHI- 2 SGR	19 22 28.169	-24 03 43.16		-0.0010	-0.004	5.56						GK4		188105	V?	
2473	7 CYG	19 26 12.441	+52 13 04.35		-0.0021	-0.023	5.56						A0		31673		
2474	78 HER	17 29 51.624	+28 26 32.83		+0.0003	+0.027	5.56		5.560				B9.5V		85182		
2475	ETA MIC	21 03 10.705	+41 35 12.42		+0.0024	-0.013	5.56						GK2		230523		
2476	17 PEG	21 54 29.982	+11 50 17.71		-0.0020	-0.008	5.56		5.620				A2V		107528		
2477	14 LZ CEP	22 00 23.523	+57 45 31.12		-0.0006	+0.004	5.56	2	5.63	2	4.77	2	08.5III+09 7		33990	V	
2478	73 PEG	23 32 09.553	+33 13 14.01		-0.0002	+0.027	5.56	2	6.70	2	7.79	2	GK0		73345		
2479	77 AGR	22 52 06.820	-16 32 15.15		-0.0156	-0.086	5.56	2					K2III		165376	V?	
2480	5 COM	12 09 36.779	+20 49 12.97		-0.0013	-0.027	5.56	2	6.50	2	7.17	2	GG8		82182		
2481	32 BOO	14 39 19.269	+11 52 30.14		-0.0107	-0.117	5.56						G8III		101152		
2482	-C LUP	14 52 42.802	-52 36 29.25		+0.0035	-0.002	5.56						A2V		242120		
2483	28 LMI	10 21 16.440	+33 58 19.89		-0.0016	-0.008	5.56	2	5.52	2			GK1		62019		
2484	DEL ANT	10 27 17.057	-30 21 02.35		-0.0028	-0.004	5.56	2	6.72	2	7.85	2	B9		201442	DV?	
2485	33 A HYA	09 32 02.913	-05 41 26.92		+0.0002	-0.058	5.56	2	5.52	2			GK1		136964		
2486	0 VEL	09 42 00.250	-53 39 42.38		-0.0079	+0.020	5.56	2					A0V		237268		
2487	-B- 1 HYA	10 44 24.918	-17 01 57.59		-0.0017	-0.018	5.56						A3M		156221		
2488	1 BOO	13 38 17.135	+20 12 28.48		-0.0035	+0.018	5.57		5.570				A1V		82942	"	165
2489	34 VUL	21 18 48.631	+23 38 39.63		+0.0174	-0.123	5.57	2	6.62	2	7.53	2	K0III-IV		89640		
2490	79 HER	17 35 27.400	+24 20 18.08		-0.0009	+0.003	5.57		5.660				A2V		85264		148
2491	62 SCA	18 53 01.098	+06 33 04.49		+0.0012	-0.087	5.57	2	6.61	2	7.48	2	GG9		124050		
2492	RHO OCT	15 31 26.275	-84 18 14.99		+0.0953	+0.091	5.57	2	5.68	2	5.76	2	A2		258731		
2493	12 TAU	03 37 14.671	+02 53 44.19		-0.0026	+0.010	5.57	2	6.51	2	7.18	2	GG6		111334		
2494	21 ARI	02 12 52.174	+24 48 44.52		-0.0065	-0.082	5.57						DF4		75238		
2495	22 THE ARI	02 15 20.327	+19 40 15.22		-0.0008	+0.003	5.57		5.580				A1V		92877		
2496	21 YZ CAS	00 42 18.429	+74 42 54.68		-0.0043	-0.019	5.57	2	5.96	2	5.69	2	A2-A3		4216	DV	
2497	53 CAS	01 59 16.588	+64 08 58.98		+0.0009	+0.001	5.58						B8IB		12097		
2498	72 PSC	01 02 26.726	-14 40 39.69		+0.0004	+0.059	5.58	2	5.59	2			DF2		92230	"	
2499	28 CET	01 03 34.548	-10 06 24.47		+0.0017	+0.007	5.58		5.710				A0		147606		
2500	79 PSI- 2 PSC	01 05 15.941	+20 28 25.79		+0.0062	-0.089	5.58						A3V		74506		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T.NO.	STAR PROP.	G N
2501	63	AND	02 17 38.721	+49 55 24.13	+0.0035	-0.023	5.58		5.440				A 5I		17940		
2502	64	ARI	03 21 20.955	+24 32 54.53	+0.0009	-0.043	5.58						GK4		75912		
2503	80	TAU	04 27 17.324	+15 31 49.66	+0.0070	-0.023	5.58	2	5.90	2	6.00	2	A6M		93970	n	
2504	47	GEM	07 08 17.068	+26 56 25.81	-0.0016	-0.040	5.58		5.700				A4V		79141		
2505	4	HER	15 53 49.450	+42 42 38.23	-0.0027	+0.013	5.58		5.460				BR		45709		
2506	28	AGR	21 58 31.498	+00 21 50.85	+0.0005	-0.008	5.58	2	6.86	2	8.26	2	GK4		127235	DV?	
2507	13	DEL	20 45 19.692	+05 49 24.48	+0.0005	-0.002	5.58	2	5.56	2	5.47	2	A1		126222	DV	
2508	16	EN	22 54 06.309	+41 20 11.97	-0.0004	+0.004	5.58	2	5.44	2	4.61	2	B2IV		52512		
2509	36	PEG	22 26 38.185	+08 52 23.15	+0.0038	-0.018	5.58	2	7.13	2	9.03	2	GK5		127544		
2510		KAP	13 32 25.492	-85 31 53.97	-0.0706	-0.020	5.58	2	5.76	2	5.92	2	A2		258674		
2511	6	A- 2	11 52 29.222	+08 43 19.27	-0.0020	+0.013	5.58	2	6.52	2	7.19	2	GK0		119111		
2512	86	LEO	11 27 52.569	+18 41 06.97	-0.0060	+0.012	5.58						GK0		99637		
2513	26	HYA	09 22 54.006	-04 54 03.23	-0.0011	-0.015	5.59	2	7.11	2	8.93	2	K5III		136832		
2514	7	BOO	13 50 49.498	+18 10 42.63	-0.0028	-0.001	5.59						GG4		100751		
2515	31	-D- 1	12 39 25.039	+07 04 50.99	-0.0047	-0.016	5.59	2	5.59	2	5.57	2	B9		119538	n	
2516	19	CVN	13 13 17.180	+41 07 07.39	-0.0098	+0.011	5.59						A5		44531		
2517	13	AND	23 24 42.403	+42 38 11.22	+0.0081	+0.020	5.59		5.590				B9		53039		
2518	15	AND	23 32 10.367	+39 57 38.30	-0.0015	-0.040	5.59	2	5.69	2	5.77	2	A2III		73346		
2519		KAP- 1	20 19 04.166	-42 12 31.95	+0.0032	-0.091	5.59	2	5.59	2	5.59	2	A0V		230177	n	
2520	23	PEG	22 03 18.535	+28 43 13.44	+0.0018	-0.007	5.59		5.540				A0V		90217		
2521	48	LAM	21 43 50.688	-11 35 50.88	+0.0019	-0.007	5.59		5.580				A2V		164639		
2522		GG	15 15 39.108	-40 36 23.29	-0.0013	-0.027	5.59	2	5.49	2			B9V		225647	V	
2523	50	SGR	19 23 20.271	-21 52 38.41	+0.0024	+0.000	5.59	2	6.81	2			GK3		188121		
2524	8	DEL- 2	07 30 34.368	+03 23 54.02	-0.0014	+0.036	5.59	2	5.90	2	6.00	2	A5		115610		
2525	2	HYA	08 23 57.287	-03 49 18.50	-0.0038	-0.064	5.59	2	5.81	2	5.90	2	DF0		135916	V?	
2526	57	-H	04 17 08.522	+13 54 58.43	+0.0079	-0.019	5.59	2	5.87	2	5.95	2	F0V	7	93877		
2527		XI	00 58 58.321	-39 11 09.90	+0.0070	+0.058	5.59	2	6.77	2			GK0		192870		
2528	43	CAS	01 38 36.402	+67 47 28.24	+0.0095	-0.003	5.59		5.510				A P		11919		
2529	23	AND	00 10 54.552	+40 45 34.17	-0.0104	-0.140	5.60						DA7		36173		
2530		U	07 28 24.264	-09 40 15.41	-0.0016	-0.004	5.6	4					G5	4	134775	V	
2531	19	HYA	09 06 15.297	-08 23 10.97	-0.0018	-0.013	5.60	2	5.54	2	5.35	2	B8		136604	n	
2532		WW	06 29 11.433	+32 29 32.77	-0.0020	-0.019	5.6						A M		59104	V	
2533		T	06 22 31.027	+07 06 53.22	+0.0010	+0.004	5.60		6.800				F7IAB		113845	V	
2534		V 380	19 48 54.249	+40 28 17.49	-0.0005	-0.006	5.6						B1IV?		48892	V	
2535	18	SGR	18 21 48.571	-30 47 02.25	-0.0095	-0.071	5.60	2	6.74	2			K0III-IV		210116		
2536		R	15 48 23.245	+15 17 02.69	-0.0004	-0.044	5.6						GM7E		101771	DV	
2537	24	OPH	16 53 46.853	-23 04 21.21	-0.0003	-0.001	5.60						A0		184822	D	
2538	74	HER	17 18 56.237	+46 17 20.52	-0.0035	+0.045	5.60						GM0		46645		
2539		KAP	22 02 21.317	-59 52 44.27	+0.0070	-0.053	5.60						K5		247303		
2540	49	CYG	20 39 00.995	+32 07 42.32	+0.0004	-0.011	5.60						G8II		70362	D	
2541		U	20 43 10.766	+17 54 26.44	+0.0001	+0.007	5.6						M5II-III		106458	V	
2542	3	EQU	21 02 05.229	+05 18 11.04	+0.0010	+0.002	5.60	2	7.25	2	9.26	2	GK5		126518		
2543		V 389	21 06 31.476	+30 00 09.79	+0.0018	-0.014	5.6						A0		70968	DV	
2544		R	19 35 28.691	+50 05 11.53	-0.0006	-0.007	5.6	4					SE	4	31822	V	
2545	103	A- 1	23 38 58.973	-18 18 12.73	-0.0029	-0.067	5.60						GK5		165834		
2546	40	FS	13 03 56.569	+22 53 02.05	+0.0018	-0.053	5.60	2	7.19	2	8.82	2	GM5		82651	V	
2547	12	ALP- 1	12 53 40.203	+38 35 03.82	-0.0203	+0.057	5.60	2	5.94	2	5.91	2	F0V		63256	D	
2548		-U	12 25 42.451	-38 45 52.42	-0.0025	-0.023	5.60						B8		203508		
2549	2	CVN	12 13 37.464	+40 56 18.07	+0.0013	-0.037	5.60						M1III		44097	D	
2550		T	13 38 53.233	-33 20 41.93	-0.0012	+0.022	5.6						GM0E		204739	V	

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TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2551	83	VIR	13 41 47.649	-15 55 42.06	+0.0006	-0.011	5.60	2	6.41	2	6.82	2	G0II		148131		
2552	39	BOO	14 47 59.220	+48 55 31.51	-0.0082	+0.093	5.60						DF6+DF5		45231		148
2553	1 M	SCP	14 54 59.224	+00 01 58.08	+0.0041	-0.027	5.60						K1III		120758		
2554	15 -F	LEO	09 40 37.667	+30 12 19.19	-0.0014	-0.105	5.60		5.720				A3V		61656		
2555	18	LEO	09 43 41.792	+12 02 28.52	-0.0012	+0.011	5.60						GK4		98755		
2556	44 DE	LEO	10 22 37.140	+09 02 22.81	+0.0007	-0.041	5.61	2	7.23	2	9.19	2	GK3		118286	V	
2557	81	LEO	11 23 00.011	+16 43 53.78	-0.0102	-0.012	5.61						DF2		99601		
2558	43	UMA	10 48 06.954	+56 50 50.90	-0.0073	-0.001	5.61						GK1		27791		
2559	73	UMA	12 25 12.795	+55 59 21.68	-0.0033	-0.015	5.61						GM2		28394		
2560	UPS	GRU	23 04 06.933	-39 09 46.52	+0.0033	+0.017	5.61	2	5.62	2			AnV		214313		
2561	49	AQR	22 20 43.881	-25 00 57.72	+0.0076	+0.003	5.61						GG9		101105		
2562	4	SCO	15 52 28.423	-26 07 12.41	-0.0033	-0.024	5.61						A3		183931		
2563	52 PI	AQL	19 46 20.639	+11 41 24.51	+0.0011	-0.002	5.61	2	5.84	2			DF2+A2		105282	UV?	
2564	NU	PIC	06 22 02.250	-56 20 32.97	-0.0043	-0.024	5.61	2	7.13	2			A M		234473		
2565	0	CAR	06 46 20.239	-55 29 02.06	+0.0005	+0.017	5.61	2	5.650	2			K2		234710		
2566	131	TAU	05 44 22.187	+14 28 18.05	+0.0007	-0.040	5.61						A3V		94855		
2567	19	A LYN	07 18 47.691	+55 22 40.73	-0.0002	-0.031	5.61						B8		26312		
2568	41	GEM	06 57 23.407	+16 08 58.89	-0.0005	-0.008	5.62						CK4		96363		
2569	1	HYA	08 22 05.455	-03 35 16.27	-0.0143	-0.028	5.62	2	6.08	2	6.02	2	DF2		135877		
2570	2	PER	01 48 57.679	+50 32 47.91	+0.0015	-0.022	5.62		5.560				B9		22696		
2571	44	CEP	01 07 52.324	+79 24 31.20	+0.0336	+0.003	5.62						A0		4341		
2572	93	CET	02 59 45.181	+04 09 24.69	+0.0007	+0.009	5.62	2	5.52	2	5.11	2	B7III		110921		
2573	55	ARI	03 06 35.839	+28 53 15.10	+0.0015	-0.010	5.62		5.750				B7V		75757		
2574	PI - 2	GRU	22 20 04.223	-46 10 50.77	+0.0227	-0.046	5.62	2	5.98	2	5.99	2	F0IV		231111		
2575	20	PEG	21 58 39.098	+12 52 46.68	+0.0039	-0.051	5.62						DF2		107587		
2576	79	CYG	21 41 21.397	+38 03 14.72	+0.0028	+0.007	5.62		5.620				B9.5V		71643		
2577	71	DRA	20 18 46.740	+62 05 53.67	+0.0010	+0.029	5.62		5.570				B9		18807		
2578	V 744	CEN	13 36 53.546	-49 41 49.67	-0.0116	+0.008	5.62						GM7		224317	V	
2579	2	BOO	13 38 40.375	+22 44 54.40	-0.0015	-0.029	5.63						GG9		82946		
2580	15 XI - 2	LIB	14 54 03.040	-11 12 32.66	+0.0004	+0.004	5.63						K4III		158915		
2581	4	COM	12 09 19.044	+26 08 55.60	-0.0034	-0.032	5.63						GK4		82178		
2582	55	VIR	13 11 30.040	-19 40 07.08	-0.0088	+0.162	5.63						DG6		157806		
2583	64	CET	02 08 42.468	+08 20 11.89	-0.0095	-0.108	5.63	2	6.19	2	6.33	2	DF8		110390		
2584	15 BM	CNC	08 10 03.143	+29 48 28.75	-0.0005	-0.023	5.63		5.560				A P		80016	V	
2585	22 PHI - 1	CNC	08 23 25.457	+28 03 34.66	-0.0024	-0.124	5.63						K5III		80181		
2586	50 A - 2	CNC	08 44 11.641	+12 17 40.89	-0.0047	-0.056	5.63		5.740				A1V		98117		
2587	66	ORI	06 02 19.755	+04 09 47.18	-0.0003	-0.006	5.63	2	6.67	2	7.41	2	GG4		113430		
2588	14	VUL	19 57 01.719	+22 57 50.35	-0.0052	+0.009	5.63						F0		88016		
2589	5	VUL	19 24 02.155	+19 59 49.81	+0.0001	-0.034	5.63		5.580				A0V		104831		
2590	4	SCP	15 13 16.070	+00 33 21.52	-0.0073	+0.013	5.63	2	5.81	2	5.90	2	A3		120920		
2591	45	SCP	16 05 14.163	+10 01 27.17	-0.0013	-0.011	5.63						A5		101939		
2592	EPS - 1	PYX	09 07 49.166	-30 09 37.21	-0.0002	-0.048	5.633	2	5.823	2			A M		200047	D	13
2593	63 OMI - 2	CNC	08 54 47.768	+15 46 28.55	+0.0040	+0.025	5.64						A5		98250		
2594	3 PI - 1	UMA	08 34 46.703	+65 11 44.92	-0.0039	+0.086	5.64	2	6.26	2	6.33	2	GOV		14609		
2595	59	GEM	07 21 26.869	+27 44 10.82	+0.0010	+0.015	5.64						GF0?		79366		
2596	RR	LYN	06 22 12.691	+56 18 51.47	-0.0026	+0.020	5.64	2	5.88	2	6.00	2	A M		25731	V	
2597	ZET	MEN	06 44 14.538	-80 45 48.14	-0.0074	+0.057	5.64	2	5.84	2	5.99	2	A4IV		258451		
2598	49	CET	01 32 11.169	-15 55 54.75	+0.0063	+0.006	5.64						A2V		147886		
2599	BO	TUC	00 51 33.387	-63 08 33.46	+0.0101	+0.002	5.64		7.20	7			M5III	6	248276	V	
2600	31	ARI	02 33 54.028	+12 13 55.04	+0.0189	-0.081	5.64						DF5		93022		

TABLE 5 CONTINUED
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2601	63 TAU	04 20 32.682	+16 39 43.73		+0.0072	-0.027	5.64	2	5.94	2	6.07	2	A "		93900		
2602	11 SCO	16 04 49.538	-12 36 44.95		-0.0033	-0.033	5.64						A0		159715	n	
2603	V1291 AGL	19 50 41.602	-03 14 43.33		+0.0014	+0.017	5.64		5.84				A5P	7	143887	V	
2604	5 AGL	18 43 53.586	-01 00 57.14		+0.0007	-0.021	5.64	2	5.78	2	5.86	2	A M+AM		142606	D	
2605	ETA- 2 CRA	18 45 59.249	-43 29 28.78		-0.0003	-0.022	5.64						B9		229307		
2606	-Y CEN	13 50 36.899	-35 25 05.26		-0.0065	-0.023	5.64						DF6		204955		
2607	67 LEO	11 06 08.300	+24 55 46.21		+0.0003	+0.001	5.64		5.700				A3III		1692	n	
2608	24 IOT CRT	11 36 07.523	-12 55 35.21		+0.0060	+0.114	5.64						DF5		156802	n	
2609	66 AGL	20 10 38.946	-01 09 37.85		+0.0013	-0.026	5.64						GK5		144181		
2610	KAP- 2 SGR	20 20 29.579	-42 35 06.24		+0.0000	+0.025	5.64	2	5.84	2	5.94	2	A3		230184		
2611	11 PEG	21 44 41.821	+02 27 14.60		+0.0007	+0.003	5.64	2	5.64	2	5.62	2	AN		107060		
2612	63 PEG	23 18 22.336	+30 08 30.63		+0.0062	-0.064	5.65						AMO		73187		
2613	PI CHA	11 35 10.915	-75 37 10.26		-0.0354	-0.001	5.65	2	6.00	2	5.99	2	F2III		256857		
2614	16 SEX	10 08 26.593	-08 10 15.77		-0.0007	-0.049	5.65	2	6.95	2	8.37	2	GK2		137395	V?	
2615	86 UMA	13 52 00.671	+53 58 26.27		-0.0039	-0.008	5.65						AN		28928		
2616	75 VIR	13 30 11.071	-15 06 23.40		-0.0053	-0.007	5.65						GK2		157908		
2617	Q- 2 CEN	13 38 31.648	-54 18 25.50		-0.0052	-0.050	5.65						BBV		241076	D	
2618	PI - 1 OCT	14 52 48.776	-83 01 44.69		+0.0059	+0.055	5.65	2	6.60	2	7.34	2	K0		258713		
2619	PI - 2 OCT	14 55 51.286	-82 50 28.90		-0.0053	-0.012	5.65	2	6.95	2	8.10	2	K0		258714		
2620	16 DRA	16 35 00.278	+52 59 59.51		-0.0017	+0.031	5.65						A0		30012	D	
2621	NU - 2 LUP	15 18 25.192	-48 08 05.84		-0.1615	-0.271	5.65	2	6.30	2			G2V		225697		
2622	KAP- 2 APS	15 34 45.861	-73 17 03.30		-0.0026	-0.028	5.65	2	5.61	2	5.23	2	B8IV		257307	D	
2623	51 TAU	04 15 25.390	+21 27 31.53		+0.0068	-0.034	5.65	2	5.93	2	6.00	2	DAR		76541		
2624	18 TAU	03 42 10.395	+24 41 02.03		+0.0015	-0.044	5.65	2	5.58	2	5.22	2	BBV		76137		
2625	81 CET	02 35 10.495	-03 36 41.63		+0.0024	-0.039	5.65	2	6.67	2	7.52	2	G65		130026		
2626	11 PI	02 39 27.182	+54 53 38.58		+0.0044	-0.020	5.65		5.520				R8		23555		
2627	PI MEN	05 41 07.562	-80 30 32.66		+0.1113	+1.064	5.65	2	6.25	2	6.36	2	G3IV		258421		
2628	-Y- 3 PUP	07 36 53.375	-48 29 10.86		-0.0003	+0.008	5.65		6.25	7	6.67	7	F4IAB	7	218852	V	
2629	30 UPS- 1 CNC	08 28 33.272	+24 15 04.24		-0.0061	-0.049	5.65						A9N		80229		
2630	KAP- 2 VOL	08 20 09.985	-71 20 45.60		-0.0010	+0.040	5.65	2	5.55	2	5.24	2	A P		256499	D	
2631	49 -B CNC	08 42 02.283	+10 15 50.42		-0.0010	-0.021	5.66		5.550				A0P	7	98089	V	
2632	34 MU ARI	02 39 32.488	+19 47 58.68		+0.0021	-0.040	5.66		5.640				A0IV-V		93062	D	
2633	50 HER	16 48 41.747	+29 53 26.33		-0.0005	-0.002	5.66						GM1		84641		
2634	10 BOO	13 56 18.296	+21 56 21.76		-0.0008	-0.049	5.66		5.620				A0V		83103		
2635	62 UMA	11 38 58.336	+32 01 22.45		-0.0274	+0.019	5.66						DF1		62658		
2636	12 AND	23 16 28.097	+37 54 32.77		+0.0109	-0.060	5.66						DF5		73190		
2637	16 PSC	23 33 50.114	+01 49 28.45		-0.0071	+0.062	5.67	2	6.11	2	6.03	2	DF0		128281		
2638	4 PEG	21 36 01.639	+05 32 42.32		+0.0075	+0.028	5.67	2	5.92	2	6.00	2	DA6		126956	D	
2639	26 AGR	21 39 37.132	+01 03 24.10		-0.0001	-0.003	5.67	2	7.11	2	8.78	2	GK4		126997		
2640	68 DRA	20 10 45.865	+61 55 36.56		+0.0170	+0.085	5.67						DF5		18751		
2641	76 DRA	20 46 19.839	+82 20 52.28		+0.0139	+0.026	5.67						A0		3458	V?	
2642	49 TX LEO	10 32 24.801	+08 54 33.43		-0.0038	-0.010	5.67	2	5.72	2	5.77	2	A2		118380	DV	
2643	32 UMA	10 14 25.657	+65 21 31.57		-0.0138	-0.012	5.67						A3		15135		
2644	55 HYA	14 44 27.678	-25 24 55.90		-0.0006	-0.020	5.67						A SI		182875		
2645	33 VIR	12 43 50.043	+09 49 08.75		+0.0186	-0.450	5.67	2	6.66	2	7.40	2	K1IV		119580		
2646	73 HER	17 22 00.938	+23 00 19.43		-0.0031	-0.041	5.67						A4		85062		
2647	V2052 OPH	17 53 45.409	+00 40 34.99		-0.0005	+0.003	5.67		5.76	7			B2IV-V	7	122935	V	
2648	51 -H- 1 SGR	19 32 59.600	-24 49 49.11		+0.0009	-0.022	5.67	2	5.86	2			A M		188326	V?	
2649	56 SX ARI	03 09 15.105	+27 04 11.60		+0.0008	-0.013	5.67		5.580				A P		75788	V	
2650	31 TAU	03 49 20.056	+06 23 09.69		+0.0005	-0.004	5.67	2	5.73	2	5.30	2	B9		111469	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2651	51	PSC	00 29 48.829	+06 40 46.79	+0.0024	+0.013	5.67	2	5.67	2	5.50	2	A0		1-9242	D	
2652	44	AND	01 07 27.789	+41 48 58.35	-0.0122	-0.037	5.67		6.270				F8V		76984		
2653	56	AND	01 53 10.560	+37 00 26.51	+0.0151	+0.010	5.67	2	6.73	2	7.64	2	K0III		55107	D	
2654	3	PER	01 55 22.097	+48 57 39.10	+0.0010	+0.042	5.67						GG7		7665		
2655	37	GEM	06 52 14.197	+25 26 24.14	-0.0030	+0.020	5.67						NG0		78866		
2656	68	ORI	06 09 03.575	+19 48 12.67	+0.0002	-0.011	5.67		5.580				B9.5V		95359		
2657	63	ORI	06 02 18.143	+05 25 27.79	-0.0002	+0.003	5.67	2	6.71	2	7.53	2	GG7		113429		
2658	36	AUR	05 57 10.894	+47 54 03.90	+0.0007	-0.018	5.68						A0		40778		
2659		LEP	05 09 02.727	-11 54 35.85	+0.0014	+0.055	5.68		7.120				GM6		150206	V	
2660	57	CAM	08 14 57.187	+62 39 49.67	-0.0019	+0.005	5.68						GG5		14500		22
2661	45	A- 1	08 40 27.129	+12 51 41.34	-0.0001	-0.001	5.68						A9S		98069		
2662	47	CET	01 24 23.475	-13 18 57.29	+0.0009	+0.010	5.68						F1V		147812	V?	
2663	62	AQL	20 01 48.614	-00 51 00.41	+0.0000	-0.116	5.68	2	6.98	2	8.33	2	GK4		144045		
2664	41	DRA	18 03 53.450	+79 59 59.55	+0.0155	-0.120	5.68	2	6.18	2	6.17	2	DF6		8996	DV?	
2665	59	HYA	14 55 41.283	-27 27 28.17	-0.0031	-0.014	5.68						A M		143058	D	
2666	6	CRV	12 20 44.931	-24 33 47.28	-0.0015	-0.015	5.68	2	6.84	2			GK1		180747		
2667	25	COM	12 34 27.913	+17 21 53.16	-0.0026	-0.022	5.68						GK5		100176		
2668		CEN	13 48 50.649	-52 33 52.32	-0.0047	-0.038	5.68						B9VN		241239	D	
2669	71	VIR	13 26 44.290	+11 04 36.69	-0.0042	-0.044	5.68						GG9		100592		
2670	5	X1	09 29 15.137	+11 31 20.05	-0.0063	-0.086	5.68						K0III		98627	V?	
2671	7	AQR	20 54 11.949	-09 53 25.41	-0.0004	-0.008	5.68						GK5		144968	DV?	
2672	19	PEG	21 58 40.273	+08 00 58.05	-0.0007	+0.003	5.68						GK5		127239		
2673	21	AQR	21 22 40.514	-03 46 20.04	-0.0011	-0.070	5.69						GK4		145384		
2674	32	-C	23 59 56.192	+08 12 27.85	-0.0065	-0.044	5.69	2	6.00	2	6.01	2	DF0		128547		
2675	27	LMI	10 20 13.866	+34 09 40.67	-0.0010	-0.011	5.69						A3		62010		
2676	47	SCP	16 06 03.226	+08 39 57.00	-0.0013	-0.012	5.69						GM3		121393	V?	
2677	12	-C- 1	16 09 10.231	-28 17 20.33	-0.0023	-0.046	5.69	2	5.71	2			B9V		184217	DV?	
2678		TAU	01 33 49.831	-30 09 46.15	+0.0075	+0.045	5.69	2	6.02	2			DF4		193201	D	
2679	32	TAU	03 53 54.497	+22 20 08.19	+0.0049	-0.106	5.69						DF3		76339		
2680		DEL	04 21 18.209	-80 19 58.75	+0.0063	+0.064	5.69	2	6.53	2	7.06	2	K0P		258372		
2681	97	CET	03 18 29.662	+03 29 48.63	+0.0032	-0.022	5.69	2	6.66	2	7.42	2	GG8		111142		
2682		HOR	02 44 23.157	-63 54 49.81	+0.0036	-0.005	5.69						K0		248642		
2683		PI - 2	02 14 25.727	-67 58 40.23	+0.0070	-0.013	5.69	2	6.99	2	8.47	2	GK3		248521		
2684	5	-B	08 49 16.518	+62 09 04.39	-0.0013	+0.021	5.69						F0		14691		
2685	10	PUP	07 50 00.742	-14 42 59.29	-0.0012	-0.006	5.69						CF3		153520		
2686	63	ERI	04 57 28.359	-10 20 06.42	+0.0014	-0.135	5.69						DG4		150060		
2687		HU	04 35 18.604	+20 35 09.41	-0.0012	-0.005	5.70		5.66				B8V		76680	V	
2688	53	GEM	07 12 49.878	+27 59 10.63	-0.0011	-0.001	5.70						GM1		79221	V?	
2689	37	OMI	02 41 47.338	+15 06 04.54	-0.0002	-0.016	5.70		5.690				B9V		93082		
2690	38	CET	01 12 15.861	-01 14 26.93	-0.0011	+0.209	5.70	2	6.12	2	6.10	2	DF5		129196		
2691	7	RR	01 53 03.346	+23 19 59.23	+0.0007	-0.003	5.7						GG8		75030	V	
2692	19	ARI	02 10 19.370	+15 02 47.28	+0.0066	-0.019	5.70	2	7.25	2	9.20	2	M0III		92841	V?	
2693		PHE	00 39 30.000	-56 46 34.68	+0.0106	+0.050	5.70	2	5.90	2			A8P		232152	DV?	
2694	66	PSO	00 51 56.105	+18 55 03.39	+0.0013	-0.010	5.70		5.690				A1V		92145	D	
2695	38	U	17 13 59.357	+01 15 53.07	-0.0002	-0.012	5.7		5.780				B5V		122226	DV	
2696	31	UPS	15 44 57.841	+14 16 05.56	-0.0042	+0.036	5.70		5.790				A2V		101739		
2697	57	A AQL	19 51 55.256	-08 21 32.32	+0.0004	-0.024	5.70	2	5.62	2	5.13	2	B5N		143898	D	
2698		QY	10 10 01.684	-57 48 47.32	-0.0030	+0.001	5.70	2	5.62	2			B2IVPNE	7	237776	V	
2699		COM	12 01 43.065	+21 44 15.35	+0.0026	-0.009	5.70						F M		82123	D	
2700	29	COM	12 46 23.872	+14 23 42.62	+0.0022	-0.029	5.70	2	5.72	2	5.79	2	A2V		100283		

TABLE 5 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR C.T.NO.	STAR PROP.	S N
2701	3U COM	12 46 51.347	+27 49 27.45		-0.0073	+0.017	5.70		5.720				A2V		22515	n	
2702	69 TAU- 1	AQR 22 45 03.557	-14 19 13.84		+0.0020	-0.006	5.70		5.650				B9		165298	n	
2703	Y PAV	21 19 47.087	-69 56 56.26		+0.0027	-0.017	5.7						N0		254990	V	
2704	19 AQR	21 22 31.909	-09 57 45.06		+0.0014	-0.169	5.70	2	5.90	2			A4		145382		
2705	21 PEG	22 00 51.748	+11 08 39.09		+0.0011	-0.007	5.70		5.630				B9IV		17625		
2706	UT CYG	21 04 24.223	+30 58 59.78		-0.0002	+0.000	5.7						F5.5I-II		70917	V	
2707	DEL MIC	21 03 00.214	-30 19 29.77		+0.0026	-0.069	5.71						GK0		212709		
2708	TAU PHE	23 58 30.781	-49 05 17.74		-0.0023	-0.003	5.71	2	6.62	2			GAIII		21895		
2709	38 -H BOO	14 47 31.671	+46 19 25.55		-0.0007	-0.079	5.71						DF4		45226		
2710	C- 1 CEN	11 32 48.107	-47 05 44.65		-0.0090	-0.007	5.71	2	7.37	2			M3III		222887	OV	
2711	CHI- 2	HYA 11 03 31.863	-27 01 02.11		+0.0024	-0.018	5.71	2	5.65	2	5.39	2	B9		179522	V	
2712	3 LEO	09 25 49.476	+08 24 26.61		-0.0022	-0.036	5.71	2	6.75	2	7.65	2	GK0		177718	n	
2713	24 SGR	18 30 50.200	-24 04 17.25		+0.0002	-0.010	5.71						CK4		186981		
2714	84 CET	02 38 40.075	-00 54 26.44		+0.0140	-0.131	5.71	2	6.23	2	6.21	2	DF6		130055	n	
2715	ZET FOR	02 57 23.999	-25 28 24.57		+0.0130	-0.091	5.71	2	6.11	2			A9M		168209		
2716	CHI- 2	FOR 03 25 37.066	-35 51 15.67		+0.0056	-0.009	5.71	2	7.00	2			K0		104312		
2717	64 AUR	07 14 33.781	+40 58 27.16		-0.0013	+0.012	5.71						A3		41670		
2718	33 LYN	08 31 31.413	+36 35 33.31		-0.0026	-0.048	5.71		5.750				A2III		60907		
2719	SW COL	05 21 44.874	-39 43 25.77		+0.0011	+0.003	5.71	2	7.33	2			M1III	7	195807	V	
2720	ETA- 1	DOR 06 06 05.892	-66 01 57.36		+0.0030	+0.025	5.71	2	5.68	2	5.61	2	B9		249448		
2721	IS GEM	06 46 25.847	+32 39 55.87		-0.0034	-0.041	5.71						GK4		59521	V	
2722	GAM- 1	VOL 07 09 08.228	-70 24 57.88		+0.0017	+0.097	5.718	1	6.628	1	7.238	1	DF4		256373	OV?	163
2723	-Y- 2	PUP 07 35 19.868	-48 43 00.46		-0.0008	+0.007	5.72	2	5.66	2			B9		218841		
2724	3 HV	HYA 08 33 01.752	-07 48 32.10		-0.0020	+0.016	5.72	2	5.69	2	5.68	2	A P		136076	V	
2725	R ERI	04 53 03.783	-16 29 50.18		+0.0000	+0.045	5.72	2	6.60	2			GG4		149988	V	
2726	46 ERI	04 31 28.395	-06 50 32.55		-0.0004	-0.006	5.72	2	5.59	2	5.13	2	B9		131309	n	
2727	60 TAU	04 19 14.239	+13 57 37.91		+0.0077	-0.024	5.72	2	6.04	2	6.14	2	A M		93892		
2728	11 TRI	02 24 29.556	+31 34 40.56		-0.0021	-0.024	5.72						GK1		55570		
2729	12 CET	00 27 29.160	-04 14 00.17		+0.0005	-0.007	5.72	2	7.28	2	9.18	2	M0III		128791	n	
2730	22 TAU- 7	SCP 15 39 39.577	+18 37 19.54		-0.0051	+0.050	5.72						A2		101686		
2731	16 HER	16 13 15.577	+18 55 59.34		-0.0046	-0.080	5.72						GK3		102040		
2732	22 UMA	09 30 13.314	+72 25 45.64		+0.0168	-0.079	5.72						DF6		6898		
2733	8 LEO	09 34 17.202	+16 39 46.66		-0.0008	-0.008	5.72						GK1		98673		
2734	47 LMI	10 52 11.690	+34 18 07.64		-0.0049	-0.054	5.72						GG7		62310		88
2735	38 LMI	10 36 16.452	+38 10 16.80		-0.0187	-0.044	5.72						DF8		62178		
2736	20 COM	12 27 12.570	+21 10 21.86		+0.0017	-0.038	5.72		5.790				A3V		82336		
2737	52 PEG	22 56 41.593	+11 27 40.19		+0.0022	-0.036	5.72						F0V		108307	n	
2738	40 PEG	22 36 27.263	+19 15 46.52		-0.0030	-0.095	5.72						GG7		108064	D	
2739	8 A	LAC 22 33 38.561	+39 22 30.24		+0.0002	+0.002	5.73	2	5.58	2	4.68	2	B1VE		72509	OV?	
2740	5 A.D	23 05 28.677	+49 01 23.31		+0.0154	+0.137	5.73						F5V		52713		
2741	GAM- 2	OCT 23 54 51.661	-82 26 52.62		-0.0148	-0.020	5.73	2	6.78	2	7.70	2	GG9		258996		
2742	8 PSA	21 33 17.244	-26 23 43.94		+0.0083	-0.020	5.73	2	5.95	2			A3M		190478	D	
2743	11 VIR	12 07 30.460	+06 05 05.82		-0.0108	+0.016	5.73	2	6.08	2	6.25	2	A M		119249		
2744	80 VIR	13 32 55.011	-05 08 31.82		+0.0009	+0.079	5.73	2	6.68	2	7.33	2	G6III		139428		
2745	37 -M- 2	HER 16 38 09.580	+04 18 56.86		-0.0002	-0.014	5.73						A0		121776	D	
2746	THE PAV	18 43 43.343	-65 07 56.63		-0.0058	-0.081	5.73	2	5.97	2	6.08	2	A4		254374		
2747	73 OPH	18 07 04.593	+03 58 59.91		+0.0024	-0.007	5.73	2	6.10	2	6.13	2	F2		123187	n	
2748	14 SGR	18 11 15.616	-21 43 42.03		-0.0006	-0.023	5.73						GK3		186509		
2749	45 TAU	04 08 40.382	+05 23 39.94		+0.0098	+0.011	5.73	2	6.09	2	6.08	2	DF4		111648		
2750	56 PER	04 21 22.591	+33 50 47.28		+0.0035	-0.071	5.73						DF5		57216	OV?	

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2751	33 GEM	06 46 57.130	+16 15 40.93		-0.0013	-0.012	5.73		5.590				B8III		26161		
2752	14 PSI	08 07 26.658	+25 39 38.31		-0.0050	-0.351	5.73		6.560				7G6		79995		
2753	31 PSI- 2	17 42 50.929	+72 10 55.37		+0.0041	-0.278	5.738		6.188				7F6		8891		
2754	-E	18 35 01.729	-00 21 11.20		+0.0006	-0.021	5.74	2	5.80	2	5.86	2	A2		142444		
2755	7 ZET- 2	18 43 04.779	+37 32 28.32		+0.0015	+0.019	5.74	2	6.02	2	6.08	2	F0IV		67324	OV?	
2756	19 LYR	19 09 50.832	+31 11 55.92		-0.0008	+0.001	5.74		5.680				A0SI		67946		
2757	12 OPH	16 33 43.676	-02 13 10.02		+0.0303	-0.315	5.74	2	6.55	2	7.00	2	K0V		141269		
2758	23 PSI	15 41 30.642	+02 40 26.89		-0.0055	-0.153	5.74						DG5		121152		
2759	-D- 2	07 37 57.705	-38 01 23.49		-0.0022	+0.009	5.74						B5		198265		
2760	35 GEM	06 47 36.143	+13 28 20.57		-0.0002	-0.004	5.74						GK3		96179		
2761	TW	03 11 16.947	-57 30 29.47		+0.0016	+0.13	5.74	2	8.01	2			NA		233037	V	
2762	106 VIR	14 26 03.238	-06 40 37.20		-0.0014	-0.059	5.74						GK5		179957		
2763	ZET- 1	12 19 23.197	-68 01 45.86		-0.0017	-0.064	5.74	2	6.78	2	7.60	2	GG9		251868		
2764	35 AGR	22 06 14.607	-18 45 54.59		+0.0001	-0.009	5.74						B3		164888		
2765	44 AGR	22 14 29.931	-05 38 15.02		+0.0002	+0.025	5.75	2	6.63	2	7.14	2	GG4		145903	V?	
2766	34 PEG	22 24 04.667	+04 08 16.86		+0.0200	+0.053	5.75	2	6.27	2	6.31	2	DF5		127529		
2767	V1334	21 17 22.416	+38 01 31.85		+0.0007	-0.003	5.75		6.22	7			F2	7	71203		
2768	-H- 2	23 50 16.149	-09 16 28.44		+0.0041	-0.017	5.75	2	6.92	2	8.07	2	GK0		146953		
2769	85 PEG	23 59 33.187	+26 49 02.92	C	+0.0628	-0.985	5.75	2	6.42	2	6.47	2	G3V		91660		
2770	4 LIB	14 40 19.767	-24 47 08.49		-0.0014	-0.005	5.75		5.740				B9		182705		
2771	8 RHO- 1	02 58 42.365	-07 51 31.98		+0.0062	-0.067	5.75	2	6.80	2	7.67	2	DG6		130243		
2772	8 PER	02 14 26.346	+57 40 09.33		+0.0076	+0.013	5.75		6.920				GK3		23143		
2773	77 CET	02 32 14.490	-08 04 36.36		+0.0039	-0.062	5.75	2	7.15	2	8.80	2	GK4		129984		
2774	IOT- 1	02 33 59.875	-30 15 42.80		-0.0013	+0.005	5.75	2	6.77	2			G5		193795		
2775	4 ARI	01 45 27.899	+16 42 26.49		+0.0036	-0.031	5.75		5.720				B9.5V		92637		
2776	45 AND	01 08 21.178	+37 27 31.10		-0.0011	-0.003	5.75		5.650				B7III		54494		
2777	PSI- 9	06 52 50.489	+46 20 23.27		+0.0018	+0.012	5.75		5.690				B8		41446		
2778	17 CMA	06 52 53.107	-20 20 22.93		-0.0006	-0.006	5.75						A2		172569		
2779	1 LEP	05 00 38.218	-22 51 55.02		+0.0039	+0.023	5.75	2	6.95	2			GK1		170010		
2780	2 OME	07 57 54.480	+25 31 52.56		+0.0010	+0.001	5.75						GG8		79861		
2781	FV	07 05 17.090	-23 45 39.91		-0.0007	+0.021	5.75		5.55	7			B2IV-VE	7	173002	V	
2782	33 SGR	18 51 00.802	-21 25 21.85		+0.0005	-0.015	5.75						CK0		187422		
2783	-S- 2	10 29 49.063	-44 48 32.64		-0.0005	-0.005	5.752	2	5.602	2			B8		222126	D	162
2784	66 VIR	13 21 56.859	-04 54 11.82		+0.0104	-0.035	5.76						DF3		139324		
2785	MU - 1	19 55 32.272	-67 05 01.32		-0.0023	-0.196	5.76	2	6.80	2	7.60	2	GK0		254702		
2786	63 SGR	19 59 10.586	-13 46 37.65		+0.0024	+0.018	5.76						A2		163195		
2787	2 SCP	14 59 15.090	+00 03 22.02		+0.0004	-0.027	5.76						GM2		120798	D	142
2788	11 A- 1	15 30 23.214	-01 01 04.38		-0.0009	-0.039	5.76						GG9		140506		
2789	77 -X	17 25 24.566	+48 18 04.18		-0.0004	-0.005	5.76						A2		46723		
2790	-D- 3	07 38 01.910	-38 08 39.65		-0.0015	+0.002	5.76	2	5.69	2			B3N		198268		
2791	51 SIG- 1	08 49 29.565	+32 39 46.52		-0.0002	+0.012	5.76	2	5.70	2	5.53	2	A M		61102		
2792	G	06 24 24.118	-48 08 46.84		-0.0011	-0.031	5.76	2	5.96	2	5.32	2	B9		217922		
2793	3 GEM	06 06 41.773	+23 07 24.41		+0.0006	-0.002	5.76						B2.5IB		78050		
2794	15 ARI	02 07 50.964	+19 15 55.60		+0.0062	-0.024	5.76						GM3		92822		
2795	21 TAU	03 42 55.370	+24 24 00.00		+0.0009	-0.039	5.76	2	5.72	2	5.49	2	B8V		76159		
2796	THE- 2	21 21 13.966	-41 13 19.78		+0.0027	+0.003	5.76	2	5.72	2			A0SI		230667	D	
2797	33 CAP	21 21 19.652	-21 03 56.27		+0.0002	-0.129	5.77		7.250				GK2		190295	V?	
2798	UPS	22 22 39.605	-86 13 26.79		-0.0349	+0.062	5.77	2	6.79	2	7.67	2	K0III		258932		
2799	21 PSC	23 46 53.769	+00 47 54.47		-0.0003	-0.024	5.77	2	5.93	2	6.04	2	A2		128401		
2800	2 CAS	23 07 35.234	+59 03 41.17		-0.0006	+0.014	5.77		6.100				DA9		35196	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C. T. NO.	STAR PROP.	G N	
2801	10	AND	23 17 29.158	+41 48 14.77	+0.0035	+0.015	5.77						GMO		62914			
2802	28	CEP	22 26 21.111	+78 31 51.25	-0.0056	-0.037	5.77						A2		10375			
2803	6	-T	TAU	03 29 53.410	+09 12 21.13	+0.0021	-0.041	5.77	2	5.69	2	5.39	2	B8		111246		
2804	59	ERI	04 46 17.395	-16 25 00.42	-0.0002	+0.036	5.77	2	6.32	2			DF6		149901			
2805	44	PSC	00 22 50.274	+01 39 46.70	-0.0010	-0.012	5.77	2	6.63	2	7.20	2	G65		109192			
2806		R	SCL	01 24 40.020	-32 48 06.81	-0.0011	-0.026	5.77	2	9.60	2		N3		193122	V		
2807	11	LYN	06 33 23.589	+56 54 01.58	+0.0001	+0.011	5.77						A0		25842			
2808		-N- 1	PJP	07 32 11.738	-23 21 48.32	-0.0072	-0.001	5.770	2	6.200	2	6.230	2	DF4		174019	n	126
2809	14	OPH	16 39 10.361	+01 16 30.79	-0.0071	+0.051	5.77						DF2		121790			
2810	19	SEX	10 10 12.247	+04 51 44.96	-0.0036	-0.009	5.77	2	6.95	2	8.06	2	GK0		118164			
2811		CG	UMA	09 18 03.926	+56 54 44.96	-0.0011	-0.011	5.77		7.35	7		M4IIIA	7	27219	V		
2812	89	LEO	11 31 48.370	+03 20 16.99	-0.0123	-0.107	5.77	2	6.23	2	6.24	2	DF5		118929			
2813		KAP- 2	LUP	15 08 28.350	-48 33 18.67	-0.0103	-0.042	5.774	2	5.744	2	5.624	2	A0		225526	n	94
2814		FL	SCP	15 09 47.650	+19 09 47.18	-0.0008	+0.006	5.78		7.26	7		M4III	7	101420	V		
2815	18	UPS	CRB	16 14 44.468	+29 16 21.84	+0.0013	-0.020	5.78	2	5.85	2	5.95	2	A3V		84281	n	
2816	26	OPH	16 57 05.497	-24 54 52.64	+0.0045	-0.059	5.78						DF4		184807			
2817	11	CYG	19 34 00.416	+36 49 57.06	+0.0004	-0.001	5.78		5.660				B8V		68552			
2818		N- 2	HYA	11 29 47.397	-28 59 12.71	-0.0023	+0.141	5.78					DF6		179968	n		
2819	39	UMA	10 40 34.778	+57 27 44.40	+0.0019	-0.057	5.78		5.760				B9		27748			
2820		AX	CIR	14 48 29.863	-63 36 17.79	-0.0025	-0.014	5.78		6.440	7		G3IIB8?		252928	V		
2821		MU	PIC	06 31 13.640	-58 42 56.82	+0.0004	-0.011	5.78					B9		234564	n		
2822	44	CAS	01 39 55.363	+60 18 00.24	+0.0012	-0.014	5.78		5.770				B9		11941	n		
2823	25	CEP	22 16 34.602	+62 33 12.12	+0.0064	+0.020	5.78						K3III		19901			
2824	51	AGR	22 21 30.638	-05 05 26.02	+0.0020	-0.000	5.78	2	5.74	2	5.63	2	A0		146067	n		
2825	25	PEG	22 05 29.228	+21 27 31.64	-0.0034	-0.065	5.78	2	5.68	2	5.27	2	B7V		00252			
2826	35	CAP	21 24 24.890	-21 24 48.74	-0.0019	-0.027	5.78	2	7.22	2	8.96	2	K5III		190349			
2827	5	RHO- 2	OPH	16 22 34.893	-23 19 57.72	-0.0005	-0.020	5.788	2	6.008	2	5.458	2	B2V		184381	D	110
2828		IOT- 2	NOR	16 05 11.054	-57 48 06.60	-0.0015	-0.055	5.79					B9V		243368			
2829	24	UMI	17 49 12.248	+86 59 31.94	+0.0694	+0.003	5.79	2	6.04	2	6.11	2	A M		2940			
2830	37	CAP	21 32 02.703	-20 18 29.78	-0.0027	+0.034	5.79						DF1		100461			
2831	80	HH	PEG	23 48 47.965	+09 02 10.26	-0.0012	-0.057	5.79	2	7.45	2	9.18	2	GM3		28421		
2832	23	PHI- 4	CET	00 56 13.583	-11 38 58.40	-0.0026	-0.016	5.79					G67		147546			
2833	35	UU	PSC	00 12 24.115	+08 32 36.36	+0.0064	-0.022	5.79	2	6.10	2	6.14	2	GA9		109087	nV	
2834	89	TAU	04 35 17.491	+15 56 05.25	+0.0064	-0.022	5.79	2	6.10	2	6.16	2	DA8		94043			
2835		NU	MEN	04 25 18.896	-81 41 45.12	-0.0001	+0.131	5.79	2	6.14	2	6.19	2	A5M		258378		
2836		LAM- 2	FOR	02 34 54.007	-34 47 27.43	-0.0015	-0.266	5.79	2	6.45	2		DG1		193811			
2837	20	ARI	02 12 53.877	+25 33 07.22	+0.0130	-0.058	5.79	2	6.23	2	6.27	2	DF3		75239			
2838	13	TRI	02 25 52.026	+29 42 29.07	-0.0053	+0.078	5.79						DG0		75391			
2839	75	CNC	09 05 51.097	+26 50 14.13	-0.0093	-0.373	5.79						DG3		80659			
2840	44	-K	VIR	12 57 04.803	-03 32 33.43	-0.0027	+0.003	5.79	2	5.97	2	6.05	2	A2		139086	D	
2841	12	VIR	12 10 53.133	+10 32 25.23	-0.0065	-0.019	5.79		6.060				A M		99907			
2842	35	SEX	10 40 45.197	+05 00 38.21	+0.0013	-0.034	5.79	2	6.96	2	8.05	2	K3III		118449	D		
2843	41	SEX	10 47 47.457	-08 37 56.58	-0.0006	-0.018	5.79	2	5.95	2	6.08	2	A2M		137823	D		
2844	58	UMA	11 27 49.156	+43 26 52.41	-0.0049	+0.078	5.79						DF5		43787			
2845	7	LMi	09 27 42.239	+33 52 35.92	-0.0014	-0.049	5.80						G68		61529			
2846	57	HYA	14 45 01.621	-26 26 16.69	-0.0009	-0.015	5.80		5.780				B9V		182883			
2847	48	HYA	13 57 11.725	-24 46 01.83	-0.0147	-0.096	5.80						F3V		182152			
2848	20	-D- 1	CNC	08 20 30.163	+18 29 39.10	-0.0037	-0.031	5.80					DF0		97781			
2849		E	VEL	08 34 22.442	-50 47 43.88	-0.0008	-0.005	5.80	2	5.67	2		B9SI		236110			
2850		-E- 1	PUP	07 36 55.091	-36 22 53.93	-0.0011	-0.001	5.80	2	5.64	2		B5		198237			

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
2851	61	GEM	07 23 59.537	+20 21 32.39	-0.0003	-0.022	5.80						A6N		79391		
2852		CAR	06 33 52.402	-52 56 02.61	-0.0015	+0.011	5.80	2	5.80	2			B9III		234599		
2853	17	HR	05 15 01.247	+33 42 55.12	+0.0010	-0.030	5.8		5.740				B9		57858	V	
2854	47	ARI	02 55 13.168	+20 28 10.11	+0.0166	-0.027	5.80	2	6.21	2	6.22	2	DF5		75662		
2855		PER	03 30 16.704	+39 43 57.35	+0.0005	-0.037	5.80		5.910				A M		56538	V	
2856		UX	19 23 22.408	+76 27 41.68	-0.0036	+0.002	5.8	4	8.670	7			MC		9404	V	
2857		X	16 01 08.845	+47 22 35.81	-0.0047	+0.058	5.8						GM7EP		45863	V	
2858		R	23 41 14.186	-15 33 41.79	+0.0020	-0.021	5.8						B8IB		165849	V	
2859	13	CEP	21 53 12.082	+56 22 26.13	-0.0010	+0.001	5.80	2	6.52	2	6.50	2	B2		33864	V?	
2860	8	NU - 1	18 47 54.152	+32 45 14.11	+0.0002	-0.008	5.80						CM4		67441	D	
2861		XY	16 36 27.280	+39 37 22.79	+0.0001	+0.006	5.8						GK4		67193	V	
2862	26	SGR	18 43 19.678	-22 26 46.86	+0.0022	+0.000	5.80	2	5.88	2	5.95	2	A0		187255	D	
2863	35	-C	19 26 29.255	+01 50 48.66	-0.0004	-0.031	5.80	2	6.41	2	6.50	2	DG1		124675		
2864	15		20 01 51.341	+16 56 00.49	-0.0277	-0.411	5.80	2					F PEP		105635	V	
2865		R	15 46 30.695	+28 18 32.24	-0.0003	-0.017	5.8						F2IV		8405		
2866		ZET	16 09 22.975	-55 24 47.66	-0.0118	-0.043	5.81	2	6.15	2			B9		243489		
2867	74	AQR	22 50 50.798	-11 52 58.34	+0.0015	+0.004	5.81	2	5.73	2	5.41	2	B3V		165350	V?	
2868	53	PSC	00 34 10.771	+14 57 24.49	+0.0003	-0.014	5.81		5.680				G8III		91995	D	
2869	6	NU - 1	06 34 11.405	+18 37 02.99	-0.0012	+0.015	5.81	2					A0		151694		
2870	9	DEL- 3	07 31 38.445	+03 28 53.51	-0.0010	-0.016	5.81	2	5.79	2	5.70	2	GK3		115644		
2871	1		07 54 09.186	+15 55 31.23	-0.0019	-0.045	5.81						A1P		97399	DV?	
2872		-Y	13 32 00.689	-12 57 31.06	-0.0033	-0.016	5.81						GM3		158021		
2873	71	UMA	12 22 40.207	+57 03 16.93	-0.0020	-0.023	5.81	2	7.26	2	8.26	2	M5III		28375	V	
2874	56	VY	10 53 25.721	+06 27 09.31	-0.0016	-0.012	5.814	2	5.774	2	5.454	2	A M		118576	DV?	12
2875	29	PI - 2	14 38 22.872	+16 37 52.28	-0.0000	+0.006	5.82						GG7		101139	D	
2876	86		13 43 16.173	-12 10 36.19	-0.0014	+0.002	5.82						GK4		158152		
2877	85	LEO	11 27 05.648	+15 41 22.82	-0.0020	-0.050	5.82	2	6.32	2	6.27	2	DF3		99629	D	
2878	39	LEO	10 14 29.721	+23 21 27.73	-0.0296	-0.105	5.82	2	7.33	2	9.21	2	M1III		81270	DV?	
2879	52	GEM	07 11 38.548	+24 58 24.86	+0.0036	-0.094	5.82	2	7.33	2			B9V		79199	D	
2880	74	PSI- 1B	01 03 00.520	+21 11 53.41	+0.0034	-0.013	5.82		5.780				K0		74483	D	
2881		ETA- 2	02 48 13.441	-36 02 59.58	+0.0043	+0.025	5.82						A0III		103940		
2882	69		23 25 11.053	+24 53 32.38	+0.0019	-0.035	5.82	2	5.760	2			B7		91278		
2883	15	AQR	21 15 33.726	-04 43 49.63	+0.0008	+0.020	5.82	2	5.69	2	5.18	2	GM2		145278		
2884	9	EGU	21 18 36.352	+07 08 29.53	+0.0026	-0.015	5.82	2	7.48	2	9.45	2	K3IB		126719		
2885	8	THE	20 36 22.307	+13 08 12.22	-0.0002	-0.001	5.82						DF4		106342	V	
2886		V1143	19 37 33.734	+54 51 21.62	+0.0042	+0.169	5.82						GG6		31850		
2887	6	VUL	19 26 51.753	+24 39 51.71	-0.0001	+0.016	5.83	2	6.31	2			DF6		87267		
2888		IOT- 2	02 36 09.263	-30 24 31.20	+0.0076	-0.083	5.83	2	5.97	2	6.06	2	A7P		193829	DV	
2889		AB	02 23 37.625	-15 33 54.37	-0.0044	-0.045	5.83	2	6.83	2	7.61	2	K0III		148386	V?	
2890	12	MON	06 29 39.948	+04 53 36.14	-0.0027	-0.007	5.83						GG8		114023	D	
2891	99	TAU	04 54 46.435	+23 52 20.65	+0.0007	-0.006	5.83		6.040				B2VP		76858		
2892	105	TAU	05 04 55.903	+21 38 25.58	+0.0004	-0.006	5.83						M4		76972	V	
2893		CVN	12 52 39.731	+47 28 03.10	-0.0019	-0.008	5.83						DF3		44383		
2894	3	BOO	13 44 23.997	+25 57 08.51	-0.0016	-0.065	5.84						GG7		82993		
2895	13	XI - 1	14 51 39.719	-11 41 43.99	-0.0038	-0.015	5.84						GK0		158887		
2896	66	UMA	11 53 22.253	+56 52 36.51	+0.0005	-0.004	5.84						AB4		28191	V?	
2897	39	AUR	06 01 27.603	+42 59 15.57	-0.0034	-0.144	5.84						GK2		40840		
2898	6	ERI	02 55 52.169	-23 48 22.53	+0.0041	+0.053	5.84	2	7.17	2			B8III		168191		
2899	87	PSC	01 11 28.009	+15 52 09.85	-0.0016	-0.021	5.84		5.750				GG6		92326		
2900	16	DEL	20 56 01.378	+10 38 42.99	-0.0036	-0.032	5.84								106712		

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2901	V 376 PER	03 45 40.654	+43 48 37.83		+0.0001	+0.024	5.85						F0		79129	V	
2902	-D ERI	04 18 17.209	-07 42 38.55		-0.0002	-0.006	5.85	2	5.72	2	5.23	2	B5III		131132		
2903	XI MEN	05 04 29.049	-82 32 26.44		-0.0076	+0.008	5.85	2	6.78	2	7.42	2	G8III		268305		
2904	53 -H LMI	10 29 01.329	+32 38 12.37		+0.0011	+0.001	5.85		5.930				A0IV		62101	D	
2905	21 -O HER	16 21 44.526	+07 03 44.55		+0.0000	+0.014	5.85	2	5.84	2	5.85	2	A0		121568		
2906	18 TAU- 5 SCP	15 34 10.893	+16 17 00.01		+0.0052	-0.011	5.85						A6N		101642		
2907	60 HYA	14 59 07.228	-27 51 49.82		+0.0071	-0.041	5.85	2	6.01	2			A M		183009		
2908	34 LIB	15 27 50.843	-16 26 21.35		+0.0011	-0.003	5.86						G66		159307		
2909	100 A HER	18 05 48.495	+26 05 33.51		+0.0006	+0.033	5.86				6.06	2	A3		85753	UV?	
2910	-K- 1 VEL	09 12 57.381	-37 23 37.51		+0.0004	-0.016	5.86	2	6.69	2			G0		200152		
2911	N- 1 HYA	11 29 47.083	-28 59 20.98		-0.0012	+0.134	5.86						DF7		179967		
2912	76 UMA	12 39 23.262	+62 59 14.10		-0.0052	-0.020	5.86						A0		15871		
2913	36 COM	12 58 41.259	+17 23 32.28		-0.0004	-0.030	5.86						G67		100374		
2914	57 ORI	05 51 58.983	+19 44 30.10		-0.0001	-0.009	5.86						B2V		94986		
2915	54 AUR	06 36 23.954	+28 18 33.02		-0.0004	-0.015	5.86		5.770				B6III		78593	D	
2916	48 GEM	07 09 24.141	+24 12 50.05		-0.0015	-0.050	5.86	2	6.23	2			GF4		79162		
2917	26 CJA	07 10 09.373	-25 51 27.36		-0.0010	+0.009	5.86						B3		173193		
2918	5 CMC	07 58 39.375	+16 35 40.63		+0.0003	-0.009	5.86		5.840				B9V		97485		
2919	49 ARI	02 58 56.987	+26 15 56.98		-0.0011	+0.008	5.86		6.000				A M		75693		
2920	59 ARI	03 16 56.244	+26 53 30.43		-0.0019	-0.072	5.86						GG5		75863		
2921	1 ARI	01 47 22.425	+22 01 40.32		-0.0012	-0.004	5.86				7.10	2	K0III		74966	D	
2922	54 PSC	00 36 45.412	+20 58 51.87		-0.0331	-0.366	5.86	2	6.71	2	7.29	2	K0V		74175		
2923	GRU	22 34 04.113	-40 50 59.56		+0.0032	-0.071	5.86	2	5.92	2			A2		231217		
2924	14 PSC	23 31 34.697	-01 31 25.75		+0.0070	-0.007	5.87		6.17	2	6.33	2	A3M?		146700		
2925	4 CAP	20 15 05.269	-21 57 57.37		+0.0024	-0.025	5.87	2	6.87	2			G8IV		189114		
2926	16 AGR	21 18 27.058	-04 46 24.00		-0.0010	+0.014	5.87	2	6.79	2	7.43	2	GG7		145317		
2927	52 CAS	01 59 07.482	+64 39 40.51		-0.0000	-0.009	5.87						A2		12095		
2928	30 CET	01 05 15.286	-10 03 09.23		+0.0100	+0.021	5.87						DF3		147622		
2929	42 CET	01 17 14.782	-00 46 15.23		+0.0006	-0.009	5.87	2	6.51	2	6.83	2	G8III?		129235	D	
2930	38 CAS	01 27 28.374	+70 00 29.68		+0.0271	-0.070	5.87						DF6		4422		
2931	40 ARI	02 45 43.579	+18 04 35.88		+0.0031	-0.033	5.87						GK1		93118	V?	
2932	44 GEM	07 02 17.795	+22 42 50.54		-0.0003	-0.015	5.87		5.840				B9.5V		79042		
2933	29 CMC	08 25 50.013	+14 22 39.84		-0.0010	-0.015	5.87		6.060				A5V		97843		
2934	47 AUR	06 26 18.927	+46 43 10.66		-0.0004	+0.008	5.87						GK4		41130		
2935	12 LEP	05 40 07.633	-22 23 47.88		-0.0007	+0.017	5.87	2	5.98	2			A2		170715		
2936	64 VIR	13 19 38.322	+05 24 59.08		-0.0045	-0.040	5.87	2	5.99	2	6.09	2	A M		119905		
2937	35 LEO	10 13 46.346	+23 45 08.39		-0.0149	+0.031	5.87						DG2		81260		
2938	32 LMI	10 27 11.723	+39 10 54.43		-0.0016	-0.007	5.87		5.940				A4III		62076		
2939	129 TAU	05 43 52.858	+15 48 16.86		+0.0003	-0.005	5.88		5.830				B7IIIP		94848		
2940	6 LYN	06 26 26.741	+58 12 07.46		-0.0027	-0.336	5.88	2	6.82	2	7.48	2	K0IV		25771		
2941	LAM- 1 FOR	02 31 01.901	-34 52 08.82		-0.0016	-0.016	5.88						GK0		193763		
2942	112 PSC	01 57 32.910	+02 51 31.64		+0.0152	-0.246	5.88	2	6.50	2	6.69	2	DG1		110266	V?	
2943	2 XI - 2 CAP	20 09 38.773	-12 45 55.47		+0.0132	-0.193	5.88						F8V		163337		
2944	42 CYG	20 27 25.848	+36 17 12.73		+0.0001	+0.002	5.88		6.360				A1Ia		70096		
2945	3 SCO	15 51 39.067	-25 05 49.31		-0.0009	-0.025	5.88		5.820				B7IV?		183914		
2946	12 A AGR	21 01 26.061	-06 01 19.78		+0.0010	-0.006	5.89						GG4		145065	D	
2947	17 CAP	20 43 16.212	-21 41 49.29		+0.0015	-0.009	5.89						A0		189667		
2948	15 DEL	20 47 14.751	+12 21 25.64		+0.0038	+0.101	5.89						DF4		106536	V?	
2949	60 AGR	22 31 28.226	-01 49 56.01		+0.0022	-0.035	5.89	2	6.89	2	7.62	2	G66		146160		
2950	79 PEG	23 47 07.247	+28 33 50.55		+0.0050	+0.030	5.89						A3		91522		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																				
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC		DECLINATION DEG MN SEC		P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT.NO.	STAR PROP.	G N
2951	9	CAS	00 01 38.273	+62 00 34.13	-0.0007	+0.012	5.89			5.89		6.160				A0III		10954		
2952		EPS	02 59 28.210	-28 16 54.52	+0.0205	-0.420	5.89	2		5.89	2	6.68	2		2	G5IV		168238		
2953	59	ORI	05 55 48.522	+01 50 01.15	+0.0001	-0.008	5.89	2		5.89	2	6.11	2	6.27	2	A5		113315	D	
2954	30	LYN	08 16 24.598	+57 54 03.90	+0.0076	+0.012	5.89			5.89						DF2		26794		
2955	65	VIR	13 20 43.231	-04 39 48.26	-0.0014	-0.020	5.89	2		5.89	2	7.32	2	8.98	2	GK3		139308		
2956		CS	14 15 52.016	-18 29 07.67	-0.0045	-0.047	5.89			5.89		5.900				A D		158481	V	
2957		KAP	12 50 48.851	-60 06 19.07	+0.0012	-0.026	5.90			5.90		6.140				B3IAB		252077		
2958		S	12 10 04.183	-69 52 25.51	-0.0028	-0.016	5.90			5.90		6.700				CF6		251791	V	
2959	13	VIR	12 16 06.363	-00 30 33.74	+0.0017	-0.020	5.90	2		5.90	2	6.07	2	6.20	2	A3		138710		
2960	25	-F	VIR	12 34 12.656	-05 33 23.59	-0.0022	-0.022	5.90								A0		138873		
2961		R	12 39 00.393	-69 08 00.31	+0.0008	-0.009	5.90			5.90		6.700				G5		251996	V	
2962	51	CAM	07 41 54.397	+65 34 40.21	+0.0056	+0.020	5.90			5.90						GK2		14321		
2963	5	GEM	06 08 28.241	+24 25 59.08	-0.0002	-0.055	5.90			5.90						GK0		78079		
2964	116	A	TAU	05 26 11.709	+25 06 42.67	+0.0008	-0.031	5.9		5.860						B9V		77201	D	152
2965	5	AUR	04 56 51.770	+39 19 15.84	-0.0014	+0.004	5.90			5.90		6.030				DF3		57559	D	
2966	7	TAU	03 31 28.599	+24 17 53.88	+0.0006	-0.021	5.90			5.90						A3V		75999	D	
2967	39	A-2	TAU	04 02 22.353	+21 52 31.92	+0.0122	-0.133	5.90	2	6.52	2	6.64	2		2	DG1		76438		
2968		SIG	FOR	03 44 25.013	-29 29 32.61	+0.0000	+0.014	5.90	2	6.02	2				2	A2		168820	D	
2969	76	TAU	04 25 33.235	+14 37 52.72	+0.0074	-0.022	5.90	2	6.22	2	6.28	2		2	2	DF0		93948		
2970		AO	CAS	00 15 03.347	-0.0007	+0.001	5.90	2	5.93	2	4.92	2		2	2	O9III		21273	V	
2971		S	HER	16 49 37.136	+15 01 27.77	+0.0003	-0.006	5.9	4							M6E	4	102434	V	
2972		TAU-3	GRU	22 53 53.411	-48 14 11.99	-0.0032	+0.009	5.90								A M		231364		
2973	9	AND	23 16 00.640	+41 30 01.04	-0.0007	-0.007	5.9			5.9						A3		52881	V	
2974		R	BOO	14 34 59.266	+26 57 09.41	-0.0005	+0.007	5.9	4							M4E	4	83440	V	
2975	77	DRA	21 06 31.971	+77 55 26.77	+0.0062	+0.034	5.90			5.830						B9		9959		64
2976	45	CAP	21 41 17.251	-14 58 46.14	-0.0018	+0.010	5.90			5.90						ASM		164612		
2977		R	UMA	10 41 07.899	+69 02 19.49	-0.0083	-0.026	5.9	4							M4E	4	15273	V	
2978		R	CRV	12 17 02.315	-18 58 41.71	+0.0004	+0.003	5.9	4							M6E	4	157211	V	
2979		S	TRA	15 56 40.169	-63 38 10.05	-0.0001	-0.006	5.90		6.600						G5		253377	V	
2980	39	HER	16 39 34.878	+27 00 43.06	+0.0000	-0.045	5.90			5.90						DF2		84543		
2981		UPS-1	ARA	17 46 23.999	-53 35 53.16	-0.0011	-0.004	5.90								B3V		245065	DV	
2982	100	B	HER	18 05 48.464	+26 05 19.08	-0.0003	+0.033	5.90	2	6.04	2	6.12	2		2	A3	7	85752	DV?	
2983	10	AQL	18 56 29.112	+13 50 16.88	-0.0003	-0.051	5.90			5.90		6.140				A4P		104303	V	
2984	49	UPS	AQL	19 43 13.917	+07 29 26.45	+0.0034	+0.004	5.91	2	6.09	2	6.18	2		2	A2		125032		
2985		ETA	TRA	16 36 12.524	-68 11 57.64	+0.0006	-0.014	5.91	2	5.83	2	5.41	2		2	B7IV		253649		
2986	26	TAU-8	SCP	15 42 25.732	+17 25 12.68	-0.0019	-0.003	5.91		5.910						A0V		101712		
2987	19	CAP	20 51 58.444	-18 06 49.76	-0.0037	-0.018	5.91			5.91						GK0		163975		
2988	14	LAC	22 48 06.148	+41 41 17.87	+0.0007	+0.004	5.91	2	5.99	2	5.48	2		2	2	B3IV?		52412	V?	
2989	56	ERI	04 41 41.033	-08 35 43.95	-0.0003	-0.002	5.91	2	5.80	2	4.99	2		2	2	B5		131451		
2990	8	LYN	06 33 07.503	+61 31 40.35	-0.0284	-0.278	5.91			6.810						G67		13897		
2991		D	PUP	07 05 28.757	-40 48 50.15	-0.0013	+0.003	5.91								B9		218465		
2992	19	LAM	CNC	08 17 33.902	+24 10 52.39	-0.0016	-0.024	5.91		5.880						B9V		80113		
2993	26	BUO	14 30 16.105	+22 28 45.31	-0.0092	+0.033	5.91			5.91						DF2		83395		
2994		OME	OCT	14 59 54.082	-84 35 43.93	-0.0015	+0.007	5.91	2	5.85	2	5.72	2		2	A0		258717		
2995	92	VIR	13 53 54.861	+01 17 39.69	-0.0019	+0.010	5.91	2	6.11	2	6.25	2		2	2	A3		120185		
2996	17	SEX	10 07 38.418	-08 09 42.80	-0.0021	-0.006	5.91	2	5.93	2	5.88	2		2	2	A0		137385		
2997	76	LEO	11 16 20.950	+01 55 29.43	-0.0027	-0.059	5.91	2	6.95	2	7.82	2		2	2	GK0		118778		
2998	55	LEO	10 53 08.048	+01 00 14.31	+0.0069	-0.004	5.91	2	6.33	2	6.31	2		2	2	DF3		118574	D	
2999		UPS-2	CAR	09 45 51.775	-64 50 24.79	-0.0013	+0.019	5.914	1	6.184	1	6.314	1		1	F0		250696	D	
3000	20	LEO	09 47 02.362	+21 24 48.09	-0.0032	-0.016	5.92			5.92						A8S		81035	D	36

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISU-L MAG.	V N	BLU-E MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	C !!
3001	T CAR	10 53 16.980	-60 15 03.74		-0.0045	+0.081	5.92	2	7.00	2			GK0		25117A	V	12
3002	-N- 2 PUP	07 32 12.337	-23 21 52.24		-0.0084	-0.013	5.920	2	6.350	2	6.380	2	DF6		174020	"	
3003	PSI FOR	02 51 36.750	-38 38 26.09		+0.0040	+0.044	5.92	2	6.36	2			DF7		193965		
3004	105 PSC	01 36 58.626	+16 09 10.30		+0.0053	-0.011	5.92						GK2		92558		
3005	1 DEL	20 27 54.268	+10 43 38.35		+0.0013	+0.006	5.92		5.930				AQPE		126172	"	
3006	20 VUL	20 09 54.805	+26 19 42.13		+0.0005	-0.008	5.92	2	5.81	2	5.38	2	B7VE?		48379		
3007	50 AGR	22 21 46.442	-13 47 00.79		+0.0032	+0.013	5.92						GG6		165044		
3008	32 LIB	15 25 25.910	-16 32 36.71		+0.0011	-0.036	5.92						K5III		159280		
3009	42 HER	16 37 23.247	+49 01 31.30		-0.0051	+0.031	5.92						GM2		46210		
3010	-Q HER	16 09 12.784	+16 47 37.67		+0.0003	+0.001	5.92		5.940				ANV		101994		
3011	47 LIB	15 52 06.681	-19 14 12.69		-0.0012	-0.024	5.93	2	5.91	2			B5V?		159572	"	
3012	24 PSC	23 50 21.395	-03 25 59.47		+0.0048	-0.041	5.93	2	7.00	2	7.96	2	GG9		146954	"	
3013	97 VX PSC	01 27 10.619	+18 05 52.27		+0.0044	+0.001	5.93	2	6.070				A4III		92463	V	
3014	61 CET	02 01 14.429	-00 34 45.10		+0.0050	-0.041	5.93	2	6.81	2	7.31	2	G5II-III		129667	"	
3015	63 CET	02 09 03.342	-02 03 34.63		-0.0007	-0.030	5.93	2	6.90	2	7.60	2	GG9		129739	"	
3016	14 CET	00 32 58.672	-00 46 48.17		+0.0089	-0.058	5.93	2	6.37	2	6.35	2	DF2		128843	"	
3017	62 PSC	00 45 41.559	+07 01 38.29		+0.0073	+0.010	5.93	2	7.03	2	8.02	2	GG7		109470		
3018	16 MON	06 43 48.773	+08 38 30.21		-0.0004	-0.008	5.93	2	5.76	2	5.07	2	B3V		14388		
3019	4 LYN	06 17 37.445	+59 23 46.56		+0.0001	+0.004	5.93						A2		25678	"	
3020	73 ZET- 2 ANT	09 29 23.743	-31 39 02.14		-0.0034	-0.002	5.93	2	6.19	2			F0M		200459		
3021	4 AI VIR	13 29 20.719	-18 28 18.39		-0.0069	-0.019	5.93						A4M		157927	"	
3022	-T- 1A CYN	12 21 19.690	+42 49 10.04		-0.0072	+0.009	5.935	2	6.290	7			F0		44155	V	
3023	16 KAP CRT	10 37 04.718	-58 33 22.51		-0.0108	+0.009	5.94	2	7.375	2			GM1		238304	"	31
3024	39 COM	13 03 55.003	+21 25 16.61		-0.0072	+0.015	5.94	2	6.43	2			DF4		156685	"	
3025	50 VIR	13 07 08.029	-10 03 47.22		-0.0052	-0.048	5.94	2	7.43	2	9.12	2	DF1		82650	"	
3026	V 767 CEN	13 50 49.586	-46 52 56.54		-0.0008	-0.018	5.94	2	5.81	7			GK5		157760	V?	
3027	-C CNC	08 34 23.191	+09 49 49.87		-0.0037	-0.004	5.94		6.030				B2IIIE	7	224514	DV	
3028	79 CNC	09 07 28.692	+22 12 02.42		-0.0022	-0.011	5.94						A3V		116953		
3029	55 RHO- 1 CNC	08 49 37.369	+28 31 23.16		+0.0004	+0.002	5.94						GG5		80674		
3030	54 CET	01 48 12.521	+10 47 47.76		-0.0366	-0.239	5.94	2	6.780	2	6.22	2	DK0		80478	D	44
3031	45 RZ ARI	02 52 59.598	+18 07 48.95		-0.0049	-0.022	5.94		6.24				F0V		92659	V?	
3032	12 OMI- 2 CAP	20 27 01.999	-18 45 00.30		-0.0006	-0.014	5.94	2	6.02	2	6.32	2	GM6		93180	V	
3033	4 EQU	21 02 58.007	+05 45 34.46		+0.0017	-0.081	5.94	2	6.48	2	6.54	2	A2		163626	D	
3034	61 SCA	18 29 21.997	-01 02 24.30		-0.0062	-0.125	5.94	2	6.10	2	6.26	2	F8		126535		
3035	KAP- 2 CRA	18 29 56.221	-38 45 51.01		+0.0005	-0.006	5.94	2					A2M?		142372		
3036	-C- 1 CYG	19 40 29.115	+50 24 30.26		-0.0003	-0.029	5.95						A		210295	D	
3037	74 DRA	20 32 26.025	+80 55 04.27		-0.0162	-0.151	5.95	2	6.59	2	6.79	2	G2V		31898	D	
3038	69 CYG	21 23 44.257	+36 27 02.44		+0.0285	+0.223	5.95						K0III		3413		
3039	6 AND	23 08 08.184	+43 16 31.53		+0.0003	-0.002	5.95	2	5.890				B0I8		71329	"	
3040	33 CET	01 07 59.036	+02 10 48.30		-0.0179	-0.184	5.95	2	6.39	2	6.34	2	F5IV		52761		
3041	34 CET	01 09 10.768	-02 30 58.25		-0.0002	-0.010	5.95	2	7.46	2	9.33	2	GK4		109715	V?	
3042	NU - 1 COL	05 35 17.910	-27 53 57.55		-0.0044	-0.021	5.95	2	7.35	2	9.01	2	K4III		129169		
3043	10 CYN	12 42 37.654	+39 33 00.73		+0.0007	-0.061	5.95	2					A5		170601		
3044	10 VIR	12 07 07.504	+02 10 42.92		-0.0309	+0.135	5.95	2	6.50	2	6.47	2	G0V		63177		
3045	90 LEO	11 32 06.403	+17 04 24.58		+0.0028	-0.183	5.95	2	7.07	2	8.20	2	GK3		119245		
3046	62 -P- 3 LEO	11 01 03.021	+00 16 07.46		-0.0008	-0.002	5.95	2	5.79	2	5.14	2	B3V		99673	D	
3047	13 LMI	09 39 42.261	+35 19 22.71		-0.0040	-0.003	5.95	2	7.17	2	8.49	2	GK3		118674		
3048	59 AUR	06 49 35.149	+38 55 51.05		-0.0014	-0.052	5.95						DF1		61648		
3049	67 CNC	08 58 50.267	+28 06 03.23		+0.0005	+0.006	5.96						A7N		59571	"	
3050					-0.0042	-0.080	5.96						A5		80585		

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NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC			DECLINATION DEG MN SEC			P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SAN CAT. NO.	CTAP PROP.	G N
3051		T	PJP	07 40	25.895	-40 31	34.75		-0.0009	-0.031	5.96							V1		219004	V	
3052		M	PUP	07 16	31.277	-43 53	39.99		-0.0020	+0.000	5.96							R9		218618		
3053	58		GEM	07 20	27.965	+23 02	35.89		-0.0015	-0.038	5.96			5.950				A1V		79354		
3054	21		ERI	03 36	32.849	-05 47	06.61		-0.0013	-0.203	5.96	2		6.88	2	7.54	2	DK1		130624		
3055	2		SGE	19 22	07.276	+16 50	20.54		-0.0003	-0.010	5.96			6.010				A M		104797		
3056	15	TAU- 3	SCP	15 33	16.933	+17 49	15.29		-0.0055	-0.017	5.96							GG8		101631		
3057	10	LQ	HER	16 09	30.172	+23 37	22.22		-0.0022	-0.014	5.96							GM4		A4240	V	
3058	16		OPH	16 42	57.086	+01 06	37.85		-0.0000	+0.011	5.96			5.950				B9		121834		
3059	37		DRA	18 15	34.459	+68 44	16.53		+0.0023	-0.059	5.97							GK1		17837		
3060	9		SGR	18 00	48.403	-24 21	48.67		+0.0002	+0.002	5.97	2		5.97	2	5.08	2	05		196204		
3061	33		TAU	03 54	05.640	+23 01	54.79		+0.0007	-0.016	5.97			5.960				B9.5IV		76343		
3062		LAM- 2	SCL	00 41	47.213	-38 41	48.74		+0.0203	+0.121	5.97							GK0		192703		
3063	67	-K	PSC	00 53	16.764	+26 56	19.28		-0.0013	+0.012	5.97			6.080				A3V		74373		
3064	25		SEX	10 20	54.805	-03 49	14.54		-0.0035	-0.000	5.97	2		5.87	2	5.70	2	A P		137513		
3065	51		UMA	11 01	44.751	+38 30	40.27		-0.0064	-0.001	5.98			6.140				A3V		62387		
3066	17		CYN	13 07	45.560	+38 45	51.02		-0.0063	+0.038	5.98							F0		63320		
3067	39		AND	01 00	05.087	+41 04	36.77		-0.0019	-0.005	5.98	2		6.14	2	6.23	2	A7V		76874		
3068	16		SGR	18 12	14.367	-20 24	16.63		-0.0002	+0.000	5.98	2		6.02	2	5.14	2	09II		186544		
3069	19		OPH	16 44	38.330	+02 09	11.52		-0.0011	-0.014	5.98							A2		121859		
3070		V 636	HER	16 45	43.605	+42 19	37.19		-0.0003	-0.024	5.98			7.58	7			M4		46288	V	
3071	17		ACR	21 20	15.492	-09 32	00.61		-0.0020	-0.025	5.99	2		7.53	2	9.41	2	GM0		145351		
3072	6		PSA	21 29	13.447	-34 09	57.86		+0.0003	-0.002	5.99							A2IV		213078	DV?	
3073	64		AQL	20 05	26.899	-00 49	24.60		+0.0075	-0.068	5.99	2		7.01	2	7.91	2	GK1		144005		
3074		AC	DRA	20 19	53.155	+68 43	13.55		+0.0030	+0.039	5.99							GM5		18817	V	
3075	4		AQR	20 48	46.697	-05 48	52.80		+0.0064	+0.001	5.99	2		6.45	2	6.48	2	DF3		144877	DV?	
3076	29	OME- 2	AQL	19 17	31.899	+11 26	27.55		+0.0027	+0.027	5.99			6.060				A3V		104728		
3077	57		SGR	19 49	17.736	-19 10	24.73		-0.0000	-0.057	5.99							GG5		163060		
3078	11		ARI	02 03	58.785	+25 28	01.65		+0.0013	-0.006	5.99			5.970				B8V		75149		
3079	60		PSC	00 44	48.265	+06 28	06.15		+0.0008	-0.010	5.99	2		6.93	2	7.63	2	GG6		109461		
3080		TU	HOR	03 29	00.677	-47 32	42.31		+0.0076	+0.023	5.99	2		6.10	2			A2V		216357	V	
3081	62		AUR	06 55	38.542	+38 07	22.55		-0.0034	-0.123	5.99	2		7.22	2	8.38	2	K2III		59658		
3082	46		VIR	12 58	01.260	-03 06	00.31		-0.0019	+0.046	5.99	2		7.11	2	8.20	2	GK2		139096	D	
3083		S	VIR	13 30	23.507	-06 56	18.80		+0.0031	-0.010	6.0							GM7E		139403	V	
3084		VY	UMA	10 41	37.141	+67 40	27.25		+0.0007	-0.004	6.00	2		8.41	2	13.18	2	C6-3		15274	V	
3085	86		LEO	11 29	10.091	+14 38	35.50		-0.0228	-0.194	6.00							DF7		99648		
3086		R	CAR	09 30	59.210	-62 34	01.09		-0.0049	+0.017	6.00	1		7.350	1	7.950	1	GM5E		250614	DV	
3087		NP	GEM	06 59	31.035	+17 49	42.62		+0.0011	+0.042	6.00	7		7.59	7			M1		96407	V	
3088	53	AX	CAM	07 57	26.971	+60 27	48.10		-0.0058	-0.022	6.00			6.130				A2P		14402	V	
3089		-D- 4	PUP	07 38	10.830	-37 27	46.01		-0.0005	-0.012	6.00	2		5.96	2	5.50	2	B3IV		198273		
3090		R	CNC	08 13	48.540	+11 52	52.59		+0.0008	-0.013	6.0							GM7E		07694	V	
3091		S	LEP	06 03	41.862	-24 11	22.98		+0.0014	-0.019	6.0							M6		171222	V	
3092	19		CAM	05 32	24.370	+64 07	30.38		+0.0009	-0.068	6.00			6.010				B9		13550		
3093		R	LEP	04 57	19.727	-14 52	47.48		+0.0010	+0.020	6.0							C7-4E		150058	V	
3094	66		ARI	03 25	30.857	+22 37	59.76		+0.0000	-0.101	6.00							SGG6		75945	D	
3095		SU	CAS	02 47	28.879	+68 40	59.22		+0.0009	-0.007	6.0			6.620	7			F5I-II		12472	V	
3096	7	CHI	PER	02 14	32.316	+57 17	09.57		-0.0023	+0.010	6.00			7.050				GG6		23149	D	
3097	30	-E	TAU	03 45	31.521	+10 59	27.51		+0.0018	-0.019	6.00							B3V		03611	DV?	
3098	55	B	ERI	04 41	10.619	-08 53	09.96		+0.0010	-0.012	6.00	2		6.63	2	6.96	2	F2IIIP		131442	D	
3099	73		PSC	01 02	16.992	+05 23	19.59		+0.0017	-0.009	6.00	2		7.51	2	9.36	2	GK5		109656		
3100	7	ZET- 1	CRB	15 37	29.106	+36 47	52.71		-0.0015	-0.016	6.00			5.880				B6V		64813	D	49

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SAR CAT. NO.	STAR PROP.	G N
3101	MU - 1 OCT	20 35 56.354	-76 21 30.60		+0.0575	-0.011	6.00	2	6.44	2	6.54	2	F5IVN		2 7838		
3102	18 PEG	21 57 37.992	+06 28 36.77		+0.0006	-0.001	6.00	2	5.88	2	5.31	2	B3III		127210		
3103	S CRB	15 19 21.526	+31 32 46.51		-0.0016	-0.010	6.0	4					M7E	4	64652	V	
3104	V MON	06 20 12.434	-02 10 10.00		+0.0017	-0.067	6.0	4					M6E	4	133182	V	
3105	V 373 CAS	23 53 02.612	+57 08 02.01		-0.0011	+0.002	6.00	2	6.22	2	5.50	2	Rn.SII		35899	V	
3106	R OPH	17 04 53.425	-16 01 39.54		-0.0014	-0.012	6.0	4					M5E	4	160209	V	
3107	V HYA	10 49 11.303	-20 59 04.92		+0.0004	-0.025	6.0	4					N	4	179278	V	
3108	33 PEG	22 21 15.061	+20 35 42.07		+0.0240	-0.011	6.01						DF4		00462	V	
3109	47 -C- 2 CAP	21 43 36.291	-09 30 26.97		+0.0012	+0.012	6.01	2	7.67	2	9.53	2	M3III	7	145648	V	
3110	10 DEL	20 38 55.689	+14 24 14.16		-0.0005	+0.005	6.01						GK4		106384	V?	
3111	UV AQR	20 55 55.847	-14 40 38.00		-0.0031	-0.000	6.01	2	6.24	2			A3		164027	V	
3112	19 TAU- 6 SCP	15 38 41.084	+16 11 05.00		+0.0019	-0.017	6.01	2	6.91	2	7.52	2	M5III		101678		
3113	43 SCP	16 01 17.164	+05 07 23.03		-0.0029	+0.010	6.01						G9III		121339		
3114	59 PSC	00 44 34.773	+19 18 20.69		+0.0070	+0.011	6.01						A5		92082		
3115	29 ARI	02 30 09.550	+14 48 51.67		-0.0014	+0.045	6.01						DF7		92998		
3116	TAU FOR	03 36 42.771	-28 06 19.13		+0.0014	+0.030	6.01	2	5.99	2			A0V		168701		
3117	26 CAM	05 42 17.335	+56 05 51.10		+0.0025	-0.056	6.01						A2		25362		
3118	6 SEX	09 48 42.826	-04 00 29.52		+0.0006	-0.032	6.01	2	6.18	2	6.29	2	A5III		137183		
3119	7 SEX	09 49 37.430	+02 41 17.35		-0.0123	+0.088	6.02	2	5.98	2	5.89	2	A1V		117959		
3120	24 CAM	05 38 46.979	+56 33 28.80		+0.0018	+0.031	6.02						GG9		25333		
3121	30 CAM	05 47 52.685	+58 57 08.41		+0.0011	-0.022	6.02		5.980				B9		25410		
3122	110 TAU	05 20 44.314	+16 39 13.89		-0.0020	-0.018	6.02		6.160				A2V		94514		
3123	39 GEM	06 55 42.522	+26 08 55.02		-0.0124	+0.091	6.02						DF4		78920		
3124	11 TAU	03 37 46.777	+25 10 09.75		+0.0007	-0.010	6.02		6.080				A2V		76073		
3125	85 TAU	04 29 00.180	+15 44 45.45		+0.0070	-0.026	6.02	2	6.36	2	6.39	2	A9N		93993		
3126	57 -M PER	04 29 53.385	+42 57 33.02		+0.0003	+0.005	6.02						DF1		39604		
3127	8 HER	16 06 31.239	+17 20 13.86		-0.0015	-0.029	6.02		6.020				A0V		101962		
3128	16 LIB	14 56 11.058	-10 56 39.18		-0.0071	-0.066	6.02						K3III-IVP		158946		
3129	56 AQL	19 51 25.493	-08 42 19.98		+0.0001	-0.018	6.02						GK5		143804		
3130	45 RHO- 2 SGR	19 18 55.912	-18 24 10.03		+0.0070	-0.092	6.02						GG9		162521		
3131	4 EPS- 10 LYR	18 42 40.865	+39 37 03.39		-0.0001	+0.059	6.02						A4		67310		
3132	3 -K- 2 CEN	13 48 56.526	-32 44 51.73		-0.0045	-0.031	6.02	2	5.896	2	5.296	2	B8V		204917		4n
3133	45 CX LEO	10 25 00.576	+10 01 04.88		+0.0004	-0.002	6.03		5.970				A P		99136		
3134	65 ARI	03 21 32.793	+20 37 38.96		-0.0001	-0.004	6.03		5.980				A0V		75915		
3135	88 PSC	01 12 06.140	+06 43 52.56		-0.0009	-0.019	6.03	2	7.11	2	8.12	2	GG6		109753		
3136	16 ARI	02 08 20.977	+25 42 07.42		-0.0005	-0.005	6.03						GK4		75188		
3137	BET MIC	20 48 52.686	-33 21 57.72		+0.0012	+0.017	6.03						A2		212409		
3138	66 AQL	20 25 47.782	-03 31 27.17		+0.0013	-0.013	6.03		5.960				B9		144468		
3139	MU - 2 OCT	20 35 50.155	-75 31 34.68		+0.0397	-0.150	6.03	2	6.65	2	6.84	2	G1V		257836		
3140	21 PSA	22 48 35.745	-29 48 05.90		-0.0003	-0.007	6.03						GG9		101444		
3141	TAU- 1 GRU	22 50 40.838	-48 51 48.33		+0.0219	-0.073	6.04	2	6.66	2			G3IV		231343		
3142	26 CET	01 01 14.463	+01 05 57.35		+0.0078	-0.037	6.04	2	6.31	2	6.44	2	DF0		109643		
3143	9 BL CNC	08 03 20.744	+22 46 47.76		-0.0005	-0.008	6.04		7.67	7			GM3		79940		
3144	PHI- 2 HYA	10 33 50.062	-16 05 05.81		-0.0021	-0.006	6.04	2	7.68	2			GM1		156093		
3145	44 LMI	10 47 09.082	+28 14 18.50		-0.0004	+0.028	6.04						DAR		81542		
3146	8 AQL	18 48 44.546	-03 22 40.70		-0.0002	-0.025	6.04						A3		142706		
3147	40 DRA	18 03 47.449	+79 59 47.77		+0.0164	+0.127	6.04	2	6.55	2	6.54	2	DF5		8994	DV?	
3148	37 LYN	09 17 16.198	+51 28 35.39		-0.0040	+0.146	6.05						DF3		27215		9n
3149	-N CAR	09 25 39.313	-64 42 45.04		-0.0084	+0.059	6.05	2	6.20	2	6.30	2	A3		250583		
3150	34 VIR	12 44 42.587	+12 13 52.05		+0.0028	-0.023	6.05						A3		100260		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE.																		
NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	G N	SAC CAT.NO.	STAR PROP.	G N	
3151	28	CJC	08 25 39.062	+24 18 43.94	-0.0022	-0.061	6.0						A5		40204			
3152	KS	CHA	08 44 58.108	-78 53 15.10	-0.0093	+0.039	6.05	2	6.28	2	6.36	2	A5	7	256549	V		
3153	10T	MEN	05 38 39.383	-78 50 55.65	+0.0034	+0.018	6.05	2	6.03	2	5.7	2	B9		256214			
3154	59	A AND	02 07 50.209	+38 48 16.40	-0.0013	-0.014	6.05		6.030				B9.5V		55330		4	
3155	5	CET	00 05 38.407	-02 43 33.57	+0.0004	-0.004	6.05	2	7.43	2	8.59	2	GK2		128672			
3156		RHO	22 51 12.632	-70 20 29.10	-0.0077	+0.073	6.05	2	6.71	2	6.95	2	G1V		258044			
3157		CP	21 35 32.681	+44 28 16.95	-0.0004	-0.024	6.05						A3		51100	V		
3158	V 460	CYG	21 39 54.349	+35 16 53.25	+0.0004	+0.003	6.05	2	8.57	2	13.87	2	C6-3		71613	V		
3159	53	UW	03 04 36.452	+17 41 17.98	-0.0018	+0.010	6.06						B2V		93294	V		
3160	2b	AND	00 16 03.439	+43 30 49.02	+0.0017	+0.002	6.06		5.980				B9		36256			
3161	LAM- 1	SCL	00 40 18.717	-38 44 13.64	-0.0000	+0.000	6.06	2	6.03	2			A0V		102690	D		
3162	16	GEM	06 24 58.201	+20 31 41.13	-0.0024	+0.005	6.06		6.070				A2V		78402			
3163	32	LYN	08 30 09.596	+36 36 26.92	-0.0119	-0.004	6.06						DF1		60896			
3164	23	LYN	07 36 41.921	+57 11 57.00	-0.0018	-0.012	6.06						GK5		26459			
3165	2	A PUP	07 43 11.072	-14 34 04.60	-0.0014	-0.030	6.06						A0		153363	D		
3166	TAU- 2	HYI	01 48 11.758	-80 25 25.82	-0.0276	-0.064	6.07	2	6.40	2	6.47	2	DF0		258280	D		
3167	6	CAE	04 48 38.539	-41 24 21.86	-0.0002	+0.066	6.07	2	6.44	2			DF0		217032	D		
3168	72	EAU	21 08 05.428	+09 50 38.44	-0.0007	+0.019	6.07	2	6.09	2	6.13	2	A1		126597	D		
3169	-L- 1	VIR	13 27 48.983	-06 12 45.99	+0.0026	+0.012	6.07						A5		139370	DV?		
3170	43	LEO	10 20 23.494	+06 47 49.72	-0.0013	-0.104	6.07	2	7.19	2	8.32	2	GK3	6	118269	DV		
3171	V 624	HER	17 42 00.627	+14 25 49.35	-0.0000	+0.017	6.07		6.28	7			K M		103069	D		
3172	56	HER	16 52 59.215	+25 48 35.84	+0.0009	-0.022	6.08	2	7.00	2	7.62	2	G5III		84692			
3173	25	LIB	15 10 27.954	-19 27 38.01	-0.0037	-0.041	6.08	2	6.20	2			A2		159145			
3174	42	LEO	10 19 09.063	+15 13 42.20	-0.0024	-0.020	6.08		6.090				A1V		99080	V?		
3175	74	PEG	23 35 07.586	+16 32 55.04	+0.0093	+0.004	6.08		6.080				A2V		108729			
3176	95	TAU	04 40 11.896	+23 59 45.23	+0.0013	-0.020	6.08						DF6		76727			
3177	26	ARI	02 27 49.855	+19 38 03.63	+0.0058	-0.033	6.08		6.33	7			A4V		92979	V		
3178	55	CAS	02 10 31.757	+66 17 29.32	-0.0010	+0.001	6.08						DF2+A2		12180	V?		
3179	17	B HYA	08 53 02.474	-07 46 40.43	-0.0004	-0.042	6.08	2	6.30	2	6.43	2	A3		136408	D		
3180	12	CMA	06 44 52.925	-20 57 36.18	-0.0014	+0.003	6.08	2	5.89	2	5.27	2	B8		172318			
3181	41	A AUR	06 07 46.771	+48 43 24.85	+0.0020	-0.050	6.09						A0		40925	D		
3182	8	GEM	06 13 15.702	+23 59 16.91	-0.0010	-0.010	6.09	2	6.99	2	7.61	2	G5III		78168			
3183	15	CAM	05 15 08.638	+58 03 57.70	+0.0008	-0.020	6.09						B3IV		25125			
3184	25	-D- 2	CYC	08 23 00.168	+17 12 44.52	-0.0133	-0.156	6.09					DF4		97806			
3185	49	PER	04 04 56.623	+37 35 53.44	-0.0093	-0.190	6.09	2	7.04	2	7.79	2	K1III		57000			
3186	45	AQR	22 16 19.839	-13 33 21.87	+0.0052	-0.009	6.09						GG7		164996			
3187	48	LMI	10 51 59.434	+25 45 26.67	-0.0040	-0.001	6.09						A M		81576			
3188	ZET	CIR	14 50 26.710	-65 47 16.84	-0.0022	-0.027	6.09	2	6.03	2	5.43	2	B4V		252951			
3189	32	-W- 1	ERI	03 51 46.545	-03 05 57.22	+0.0016	+0.010	6.098	2	6.778	2	7.198	2	A1V		150805	D	72
3190	X	PER	03 52 15.134	+30 54 00.82	-0.0010	-0.005	6.10	2	6.39	2	5.58	2	O PE		56815	DV		
3191	38	AUR	05 59 41.618	+42 54 55.21	+0.0106	-0.144	6.10	2	7.07	2	7.85	2	K0III		40818			
3192	15	CVN	13 07 24.057	+38 47 58.97	-0.0016	-0.002	6.10		5.980				B7III		63374	D		
3193	75	UMA	12 27 44.266	+59 02 38.10	+0.0037	-0.028	6.10						GRIII-IV		28408			
3194		CAR	10 55 45.601	-59 27 50.85	+0.0012	+0.013	6.10		7.500				G0		238635	V		
3195	GAM	IND	21 22 42.265	-54 52 39.96	+0.0014	+0.043	6.10		6.440				F0III		247031	V?		
3196	U	CYG	20 18 03.211	+47 44 09.91	-0.0050	+0.030	6.1	4					R8	4	49477	V		
3197	RY	DRA	12 54 28.102	+66 15 51.97	-0.0011	-0.034	6.1	4					NP		15945	V		
3198	S	NOR	16 14 42.480	-57 46 42.59	+0.0007	-0.002	6.10		7.000				GG0		243586	V		
3199	39	SCP	15 50 52.213	+13 21 07.17	-0.0104	-0.559	6.10	2	6.70	2	6.70	2	G2V		101792			
3200	RS	SGR	18 14 17.236	-34 07 35.38	-0.0011	-0.009	6.1						B5+A2		209959	DV		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C.T.NO.	STAR PROP.	S N
3201	Y	OPH	17 49 57.778	-06 07 59.02	+0.0003	-0.010	6.10		7.400				G0P		141926	V	
3202	97	HER	18 00 24.613	+22 55 17.34	-0.0004	-0.008	6.10		6.000				B3V		A5676		
3203	RY	SGR	19 13 16.933	-33 36 40.91	+0.0010	+0.025	6.1						F P		211117	V	
3204	OS	AQL	19 38 46.573	+13 41 53.57	-0.0003	-0.014	6.1						B3		105132	OV	
3205	-S- 1	VEL	10 29 48.165	-44 48 42.95	-0.0017	+0.003	6.101	2	5.951	2			B8		222125		161
3206	38	VIR	12 50 37.388	-03 16 54.20	-0.0174	-0.006	6.11	2	6.61	2	6.65	2	DF6		139022		
3207	V 716	CEN	14 10 15.197	-54 23 31.02	-0.0018	-0.018	6.11	2	6.16	2			B9		241562	V	
3208	29 OMI	L1B	15 18 13.354	-15 22 09.69	+0.0015	+0.021	6.11						A6N		159101		
3209	7	SCP	15 20 01.034	+12 44 43.06	-0.0002	-0.011	6.11		6.080				B9.5V		101508		
3210	V1010	OPH	16 46 36.157	-15 34 54.81	+0.0007	+0.028	6.11						A3		160116	V	
3211	V 861	SCO	16 53 06.857	-40 44 43.52	+0.0004	-0.010	6.11	2	6.38	2			B0IAP?		227473	V	
3212	1	PSC	22 52 25.968	+00 47 52.57	+0.0014	+0.006	6.11	2	6.31	2	6.46	2	A3		127836		
3213	7	PSA	21 33 48.984	-33 16 21.67	+0.0071	+0.000	6.11	2	6.33	2			A5		213136		
3214	7b	CYG	21 39 33.406	+40 34 39.11	-0.0013	-0.042	6.11	2	6.18	2	6.26	2	A2		51100		
3215	1 V 474	MUN	05 56 38.300	-09 23 06.27	+0.0005	+0.010	6.11	2	6.40	2	6.50	2	F2II		132714	V	
3216	6 DU	GEM	06 09 17.174	+22 55 17.93	+0.0002	-0.005	6.11						M1IA		78008	V	
3217	KAP	PIC	05 21 26.776	-56 10 50.75	+0.0001	+0.027	6.11	2	6.01	2			B9		233952		
3218	21	HYA	09 09 57.872	-06 54 13.73	-0.0014	+0.015	6.11	2	6.33	2	6.45	2	A2		136662		
3219	7 CV	ERI	02 58 19.598	-03 04 33.63	+0.0010	+0.009	6.11	2	7.88	2	9.95	2	GM1		130242	V	
3220	OME	PHE	00 59 55.216	-57 16 16.58	+0.0007	+0.023	6.11	2	7.05	2			GAIII		232268		
3221	13	CAS	00 28 31.443	+66 14 37.43	+0.0039	+0.000	6.11						B5		11243		
3222	1b	CET	00 42 57.987	-13 09 04.22	-0.0026	-0.198	6.11						DF8		147432		
3223	HW	PSC	00 57 13.983	+06 12 49.96	+0.0014	-0.002	6.11	2	7.78	2	9.69	2	GM2	7	109581	OV	
3224	36	PSC	00 13 59.725	+07 57 45.71	-0.0017	-0.008	6.11	2	7.03	2	7.69	2	GG6		109100		
3225	27	CET	01 03 06.491	-10 14 46.80	-0.0026	-0.030	6.12	2	7.13	2	7.98	2	K0III		147601		
3226	HT	LAC	22 03 17.016	+46 30 05.27	-0.0043	-0.016	6.12	2	7.72	2	9.49	2	GM8		51632	V	
3227	18	SGE	20 14 07.850	+21 26 38.76	-0.0000	-0.022	6.12	2	7.16	2	8.08	2	K1III		88433		
3228	23	HER	16 21 01.191	+32 26 54.77	+0.0014	-0.010	6.12		6.180				A3V		65262	D	7A
3229	V 640	HER	17 23 40.749	+16 57 35.28	-0.0006	+0.009	6.12		7.73	7			GM4	7	102819	OV	
3230	8	SCP	15 21 08.845	-00 50 43.12	+0.0049	-0.033	6.12	2	6.38	2	6.43	2	F0V		140502		
3231	48 PSI	AQL	19 42 14.523	+13 10 53.69	-0.0006	-0.004	6.12		6.080				B8IV		105199		
3232	11	BOO	13 58 54.410	+27 37 38.44	-0.0061	+0.014	6.12						A3		43130		
3233	V 708	CEN	14 45 31.360	-36 25 35.19	-0.0012	-0.052	6.12		7.62	7	8.90	7	GM3	7	205966	V	
3234	1	CVN	12 12 15.101	+53 42 45.72	-0.0024	-0.020	6.12						GK0		28309		2A
3235	7	CVN	12 27 41.303	+51 48 40.66	-0.0315	+0.019	6.13						DF6		28407		
3236	PSI	CRT	11 10 01.385	-18 13 38.86	-0.0016	-0.035	6.13	2	6.12	2			A0		156528	D	
3237	55	DRA	19 09 34.715	+65 53 41.42	-0.0005	+0.034	6.13						A2		18187		
3238	V 986	OPH	18 02 05.798	+01 54 54.01	-0.0003	-0.003	6.13	2	6.13	2	5.23	2	B0.5III		123090	V	
3239	12 TAU- 2	SCP	15 29 51.309	+16 13 28.43	-0.0000	+0.005	6.13		6.080				B8V		101600		
3240	75	PSC	01 03 55.550	+12 41 19.12	+0.0010	+0.038	6.13						GG7		92250		
3241	101	PSC	01 33 05.736	+14 24 23.13	+0.0002	-0.007	6.13		6.090				B9III		92530	V?	
3242	THE	TUC	00 31 16.819	-71 32 30.93	+0.0167	-0.018	6.13	2	6.36	2	6.56	2	A4M?		255679	V	
3243	61	CNC	08 54 56.707	+30 25 37.71	+0.0043	+0.020	6.13						DF3		61157	D	
3244	46	CNC	08 42 17.621	+30 52 49.01	-0.0001	-0.006	6.13	2	7.07	2	7.70	2	G5III		61029		
3245	10	HYA	08 42 22.440	+05 51 46.78	-0.0002	-0.008	6.13	2	6.33	2	6.43	2	A3N		117088		
3246	82	GEM	07 45 34.367	+23 15 59.26	-0.0007	+0.005	6.13						DF3+A		79704	D	
3247	14	PUP	08 02 28.224	-19 35 06.67	-0.0002	-0.000	6.13	2	5.97	2			B3V		153796		
3248	108	TAU	05 12 27.169	+22 13 45.68	-0.0005	-0.011	6.13		6.210				A2IV		77057		
3249	78 MU - 2	CYG	21 41 54.183	+28 30 57.84	+0.0174	-0.215	6.136	2	6.626	2	6.636	2	DF3		89939	D	6A
3250	53 BO	CNC	08 49 28.430	+28 26 53.64	-0.0012	-0.008	6.14		7.73	7			GM3		80476	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
3251	GO AND	00 47 30.141	+44 43 48.35		+0.0065	+0.008	6.14		6.16				ANP		36702	V	
3252	GAM- 1 FOR	02 47 38.022	-24 45 53.61		-0.0034	-0.124	6.14	2	7.21	2			G5		1680A1	"	
3253	b6 AND	02 24 29.696	+50 20 51.15		+0.0038	-0.089	6.14						GF1		23353		
3254	14 ERI	03 14 10.186	-09 20 18.49		-0.0008	+0.050	6.14	2	6.54	2	6.50	2	DF4		130395		
3255	14 TAU	03 40 53.445	+19 30 30.60		+0.0082	-0.052	6.14	2	7.15	2	7.89	2	K0III		93568		
3256	62 TAU	04 20 58.605	+24 11 10.61		+0.0005	-0.008	6.14		6.300				B3V		76591	D	
3257	26 SGR	18 38 48.639	-23 52 54.27		+0.0024	-0.024	6.14						A V		187146		
3258	5 TRI	02 08 29.234	+31 17 30.37		+0.0030	-0.007	6.15		6.250				A V		55318	V?	
3259	109 PSC	01 42 11.644	+19 50 02.99		-0.0029	-0.105	6.15						DG4		92611		
3260	27 CAP	21 06 41.624	-20 45 30.12		+0.0085	-0.122	6.15						DF1		190069	V?	
3261	70 AQR	22 45 52.389	-10 49 12.64		+0.0022	+0.005	6.15						DF0		165308		
3262	82 AQR	22 59 56.808	-06 50 34.38		-0.0005	-0.033	6.15	2	7.73	2	9.63	2	GM2		146465		
3263	35 LMI	10 33 29.616	+36 35 12.12		+0.0029	-0.042	6.15						DF3		62147		
3264	85 VIR	13 42 53.232	-15 31 01.28		-0.0033	-0.029	6.15						A0		158147		
3265	104 VIR	14 24 46.655	-05 53 44.69		-0.0050	-0.062	6.16						A1		139942		
3266	RX LMI	10 39 23.503	+31 57 32.92		+0.0006	-0.026	6.16		7.77	7	9.54	7	M4IIIA	7	62206	V	
3267	43 LMI	10 46 11.985	+29 40 51.91		-0.0066	-0.046	6.16						SGK1		41533		
3268	83 A LEO	11 24 13.447	+03 17 08.98		-0.0483	+0.177	6.16	2	7.01	2	7.63	2	DK0		118864	"	
3269	41 PEG	22 37 21.508	+19 25 12.95		-0.0003	-0.006	6.16		6.160				A2V		108078		
3270	BET- 1 CAP	20 17 58.071	-14 56 38.31		+0.0028	+0.001	6.16		6.140				B9		163471	"	
3271	SIG HYI	01 55 53.772	-78 35 34.84		+0.0325	+0.054	6.16	2	6.60	2	6.61	2	F2		255835		
3272	21 CET	00 51 46.152	-09 00 39.81		+0.0009	-0.048	6.16	2	7.08	2	7.62	2	SGG3		129019		
3273	21 CNC	08 21 11.210	+10 47 40.32		+0.0002	-0.026	6.16						GM2		97788	"	
3274	4 CNC	07 58 42.959	+25 13 43.71		-0.0015	+0.017	6.16		6.170				A1V		79869		
3275	12 CNC	08 05 54.844	+13 47 16.08		-0.0001	-0.020	6.16						DF3		97594		
3276	113 TAU	05 23 12.185	+16 39 26.94		-0.0006	-0.004	6.16						B3N		94541		
3277	V 819 CYG	19 51 32.369	+47 40 36.27		-0.0013	-0.007	6.16						B0.5IIIP		48940	V	
3278	26 LIB	15 18 03.244	-17 58 42.19		-0.0009	-0.065	6.17	2	7.19	2			GG8		159187		
3279	" ORI	05 02 48.658	+01 06 37.21		+0.0005	-0.006	6.17	2	9.61	2			C5-3		112406	V	
3280	13 ORI	05 04 53.779	+09 24 44.95		-0.0002	-0.377	6.17	2	6.79	2	6.88	2	DG2		112436		
3281	3 PEG	21 35 14.137	+06 23 33.95		+0.0039	-0.003	6.17	2	6.20	2	6.22	2	A0		126940	D	
3282	39 AQR	22 09 44.078	-14 26 26.99		+0.0017	-0.039	6.17						DF2		164923	V?	
3283	19 PSA	22 39 35.486	-29 37 22.08		+0.0022	-0.011	6.17		7.690				GM5		191337		
3284	44 CYG	20 29 05.158	+36 45 59.07		+0.0000	-0.002	6.18	2	7.19	2	7.93	2	F5IAB		70135	D	
3285	7 LEO	09 33 09.069	+14 36 13.46		-0.0026	-0.005	6.18		6.220				A1V		98662	D	
3286	ETA OCT	10 59 42.379	-84 19 29.69		-0.0443	-0.007	6.19	2	6.30	2	6.42	2	A0		258600		
3287	78 AQR	22 51 57.934	-07 28 15.22		-0.0010	-0.034	6.19	2	7.47	2	8.88	2	GK3		146382		
3288	65 PEG	23 20 10.898	+20 33 15.75		+0.0014	-0.012	6.19		6.140				B9.5IV		91220		
3289	10 CET	00 24 03.431	-00 19 34.65		+0.0047	+0.004	6.19	2	7.10	2	7.65	2	GG4		128760		
3290	UL ERI	03 54 13.932	-09 53 41.18		+0.0027	+0.017	6.19	2	6.47	2			F0	6	130833	V	
3291	TZ MEN	05 39 50.784	-84 48 57.74		-0.0074	+0.047	6.20	2	6.18	2	6.07	2	A1V		258418	V	
3292	28 LYN	08 03 42.454	+43 24 20.78		-0.0007	-0.032	6.20						A0		42174		
3293	39 PEG	22 30 10.326	+19 58 18.35		+0.0113	+0.034	6.20						F0		1-7986		
3294	THE- 2 RET	04 17 06.303	-63 22 35.60		+0.003	+0.029	6.2	4					B9	4	248986	D	
3295	48 CYG	20 35 29.698	+31 23 48.89		+0.0006	+0.003	6.20		6.100				B8IV		70287		
3296	69 DRA	20 01 02.423	+76 20 33.59		-0.0085	-0.056	6.20	2	7.81	2	9.70	2	M3III		9606		
3297	75 CYG	21 38 13.144	+43 02 46.22		+0.0049	+0.022	6.20						GM0		51167	DV?	
3298	R VIR	12 35 57.669	+07 15 47.01		-0.0019	-0.008	6.2						GM4E		119509	V	
3299	9 COM	12 16 59.435	+28 26 09.98		-0.0150	-0.133	6.20						DF8		92244		
3300	S CRU	12 51 23.582	-58 09 34.04		-0.0013	-0.005	6.20		6.900				G0		240362	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR C.T. NO.	STAR PROP.	G N
3301	16 -C- 2	CYG	19 40 32.047	+50 24 02.76	-0.0146	-0.160	6.20	2	6.86	2	7.07	2	G5V		31900	D	
3302	U	AGL	19 26 39.930	-07 08 53.40	+0.0014	+0.003	6.20		7.300				G4		143454	UV	107
3303	63	OPH	17 51 49.256	-24 52 44.45	-0.0003	-0.002	6.20	2	6.24	2	5.35	2	08		145928		
3304	14	SEX	10 04 10.580	+05 51 21.72	-0.0024	-0.020	6.21	2	7.15	2	7.87	2	G66		118111		
3305	3	PSC	22 58 04.009	-00 04 58.82	+0.0026	+0.020	6.21	2	7.10	2	7.70	2	GG4		146443		
3306	81	AGR	22 58 47.739	-07 19 48.12	-0.0012	-0.007	6.21	2	7.62	2	9.39	2	GK5		146447		
3307	26	PSC	23 52 34.163	+06 47 34.70	+0.0013	-0.013	6.21	2	6.14	2	5.95	2	A1		128466		
3308	BO	MUS	12 31 57.152	-67 28 53.19	-0.0038	-0.010	6.21	4					MB	4	251957	V	
3309	CK	ORI	05 27 41.223	+04 10 02.12	-0.0001	-0.047	6.21	2	7.48	2	8.86	2	K2III		112837	V	
3310	44	CET	01 21 31.531	-08 16 01.12	+0.0114	-0.066	6.21	2	6.44	2	6.53	2	A5		129275		
3311	42	PSC	00 19 50.047	+13 12 18.46	+0.0042	+0.032	6.22						GK2		91866		
3312	LAM- 1	TUC	00 51 30.741	-69 46 28.74	+0.0001	-0.083	6.22	2	6.78	2	6.86	2	F8		248269	UV?	
3313	96	TAU	04 40 52.268	+15 49 07.01	+0.0003	-0.010	6.22						GK3		94151	D	
3314	60	PEG	23 09 23.305	+26 34 36.76	-0.0142	-0.114	6.22						K0IV		91080		
3315	26	VUL	20 33 59.613	+25 42 29.34	+0.0013	+0.014	6.22		6.450				A4III		88884		
3316	50	LMI	10 53 51.827	+25 46 03.09	-0.0018	-0.019	6.22						K0		81591		
3317	ETA	CAR	10 43 06.902	-59 25 15.86	-0.0003	+0.006	6.22	1	6.840	1	6.380	1	PEC	7	238429	DV	
3318	60	UMA	11 35 52.827	+47 06 42.03	-0.0042	-0.030	6.22						DF2		43839		
3319	OP	HER	17 55 22.254	+45 21 21.89	+0.0002	-0.028	6.22						M6S		47080	V	
3320	9	SGE	19 50 07.878	+18 32 31.85	-0.0002	-0.002	6.22	2	6.23	2	5.31	2	08F		105360		
3321	63	HER	17 08 58.827	+24 17 51.07	-0.0009	+0.032	6.22						A8IV-V	7	84896	V	
3322	34	HER	16 28 43.475	+49 04 08.18	-0.0056	-0.064	6.22						A0		46128		
3323	V 626	ARA	17 38 09.234	-50 29 10.49	+0.0028	-0.011	6.23		7.93	7	9.89	7	GM3		244954	V	
3324	20	CAP	20 56 45.807	-19 13 48.99	+0.0007	-0.011	6.23						A0SI		164043		
3325	27	ARI	02 28 07.666	+17 29 01.64	+0.0021	-0.081	6.23	2	7.13	2	7.68	2	K0III		92983		
3326	12	CAM	05 01 50.604	+58 57 15.46	+0.0002	-0.029	6.23						GG5		25003		
3327	141	TAU	05 58 40.385	+22 24 04.85	-0.0007	-0.021	6.23		6.150				BBV		77858		154
3328	BL	ORI	06 22 36.929	+14 45 04.15	-0.0010	-0.004	6.23	2	8.57	2	12.07	2	C6-2		95659	V	
3329	25	LYN	07 50 51.445	+47 31 02.53	-0.0017	+0.003	6.23						GK2		42055		
3330	47	CAM	07 17 54.974	+59 59 49.72	+0.0005	+0.013	6.23						A M		26298	D	
3331	34	CNC	08 29 56.657	+10 14 12.42	+0.0001	-0.008	6.23		6.210				A0V		97902		
3332	61	PSI- 8	AUR	06 50 31.472	+38 34 05.86	-0.0008	-0.028	6.24		6.190			B9P?		59589		
3333	100	AGR	23 29 04.853	-21 38 44.06	-0.0003	+0.007	6.24						A7N		191970		
3334	53	SGR	19 36 49.241	-23 32 34.90	+0.0001	-0.031	6.24						A0		188407	D	
3335	46	AOL	19 39 52.007	+12 04 28.62	-0.0003	-0.002	6.24		6.230				B8III		105156		
3336	30	SGR	18 47 50.126	-22 13 16.17	-0.0017	-0.030	6.24						A7III		187342	D	
3337	4	SEX	09 47 54.005	+04 34 42.65	-0.0100	-0.059	6.24	2	6.72	2	6.70	2	DF6		117937		
3338	U	UMA	10 11 41.697	+60 14 02.67	+0.0018	-0.004	6.25		7.850				M0III		15129	V	
3339	41	VIR	12 51 19.121	+12 41 23.78	+0.0034	-0.029	6.25	2	6.52	2	6.57	2	A M		100320		
3340	61	A	OPH	17 42 03.267	+02 35 57.94	+0.0001	+0.014	6.25					A0		122690	D	
3341	9	PSC	23 24 41.027	+00 50 51.75	+0.0028	-0.030	6.25	2	7.27	2	8.07	2	GG7		128188	UV?	
3342	60	AUR	06 49 47.756	+38 30 08.68	+0.0030	-0.178	6.25						DF5		59576		
3343	9	GEM	06 13 55.636	+23 45 34.84	+0.0001	-0.002	6.25	2	6.70	2	6.31	2	B3IAB		78176		
3344	PI - 1	COL	06 05 08.216	-42 17 29.33	-0.0037	+0.003	6.25						A M		217720		
3345	10	PER	02 21 43.098	+56 23 04.15	-0.0002	-0.012	6.25	2	6.55	2	5.94	2	B2IA		23304		
3346	78	PSC	01 05 14.864	+31 44 44.93	+0.0158	-0.031	6.25	2	6.65	2	6.64	2	F5IV		54445		
3347	LAM	CAE	04 42 05.458	-41 09 24.57	-0.0004	+0.012	6.25	2	7.71	2			K5		216961		
3348	8	CAM	04 55 46.879	+53 04 51.58	-0.0014	-0.008	6.26						GK3		24943		
3349	79	GEM	07 42 13.283	+20 26 16.20	-0.0009	+0.005	6.26		6.260				A0V		79665		
3350	1	CET	23 55 46.916	-16 07 32.92	+0.0055	-0.005	6.26	2	7.34	2	8.37	2	GG8		165972		

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TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MIN SEC	DECLINATION DEG MIN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	
3351	11	AGR	20 57 55.883	-04 55 28.38	+0.0030	-0.134	5.26						G1V		1 5022		
3352	V 973	CYG	19 43 07.120	+40 35 42.40	-0.0060	-0.021	6.26						M3III		18749		
3353	35	U.A	10 26 22.714	+65 52 58.36	-0.0001	-0.035	6.26						KX2		15106		
3354	9	LMI	09 30 26.554	+36 42 34.80	+0.0025	-0.039	6.26						GK4		41561		
3355	33	SEX	10 38 51.535	-01 28 41.50	-0.0093	-0.125	6.26	2	7.14	2	7.73	2	K1IV		17728		
3356	11	CVN	12 46 23.980	+48 44 20.61	-0.0069	+0.011	6.27		6.440				A V		44322		
3357	E	COM	12 16 47.697	+23 18 44.13	-0.0016	-0.016	6.27	2	6.44	2	6.58	2	A M		92239		
3358	TAU	PAV	19 11 07.597	-69 16 42.31	+0.0018	-0.023	6.27	2	6.44	2	6.58	2	A M?		254508		
3359	V3792	SGR	18 05 48.460	-25 28 53.84	+0.0003	+0.017	6.27						B8	6	186350	V	
3360	EU	DEL	20 35 37.753	+18 05 30.28	+0.0013	+0.101	6.27						GM6		106329	V	
3361	45	PEG	22 43 02.059	+19 06 08.89	-0.0019	+0.061	6.27						GG6		108154		
3362	35	CAM	06 00 31.107	+51 34 37.36	+0.0003	-0.043	6.27						A5		25548	UV?	14
3363	40	GEM	06 56 22.736	+25 59 02.04	-0.0007	-0.009	6.28		6.140				B8III		78947		
3364	GX	PEG	22 29 14.976	+29 17 09.39	-0.0034	-0.024	6.28						A5	6	90568	V	
3365	SIG- 1	GRU	22 33 34.467	+40 50 28.61	+0.0038	-0.066	6.28	2	6.40	2			A4V		231211		
3366	25	PSC	23 50 31.017	+01 48 45.34	+0.0013	-0.006	6.28	2	6.27	2	6.26	2	A0		128436		
3367	36	SEX	10 42 34.852	+02 45 05.11	-0.0036	-0.027	6.28	2	7.49	2	8.77	2	GK4		118473		
3368	13	LEO	09 38 46.124	+26 08 29.20	-0.0010	-0.037	6.28						GK2		90970		
3369	22	COM	12 31 04.736	+24 33 31.51	-0.0013	-0.008	6.29	2	6.40	2	6.49	2	A4V		92378		
3370	65	-I- 1	PSC	00 47 11.400	+27 26 19.64	+0.0063	-0.005	6.29					GF2		74295	n	
3371	65	-I- 2	PSC	00 47 11.766	+27 26 17.48	+0.0068	-0.004	6.29					GF0		74296	n	
3372	40	SCP	15 52 15.147	+08 43 34.59	-0.0001	-0.002	6.29	2	6.47	2	6.56	2	A2		121254		
3373	VW	DRA	17 15 52.790	+60 43 23.77	-0.0066	+0.014	6.3						GG9		17414	V	
3374	V 451	HER	16 59 16.519	+15 01 16.29	+0.0002	-0.010	6.30		6.34				A P		102536	UV	
3375	Z	SCL	00 37 30.364	-34 14 04.19	+0.0267	-0.111	6.3						FR		102663	V	
3376	35	CAS	01 17 43.398	+64 23 48.68	+0.0089	-0.013	6.30						A0		11712	DV?	45
3377	85	CET	02 39 47.143	+10 31 46.85	-0.0018	-0.018	6.30	2	6.36	2	6.42	2	A2V		93067	V?	
3378	KZ	CAS	02 44 22.774	+69 25 32.93	+0.0005	-0.037	6.3						A2		12445	V	
3379	60	-C- 2	ARI	03 17 27.372	+25 29 02.65	+0.0013	-0.084	6.30					GK3		75875		
3380	41	EPS	08 37 35.068	+19 43 23.07	-0.0027	-0.010	6.30	2	6.47	2	6.63	2	A M		98024		
3381	D- 2	CAR	08 04 00.425	-62 41 33.14	-0.0012	+0.015	6.30	2	6.20	2			B4VN		250101	n	
3382	23	PHI- 2A	CNC	08 23 45.875	+27 06 00.98	-0.0011	-0.006	6.30		6.480			A4III		90188	D	26
3383	23	CAM	05 39 32.397	+61 27 16.23	-0.0004	+0.002	6.30						GG5		13590		
3384	27	VIR	12 39 03.153	+10 42 01.54	-0.0075	+0.000	6.30						A5		100207	V?	
3385	3	COM	12 07 58.743	+17 05 14.50	-0.0014	-0.006	6.30		6.360				A2V		99973		
3386	2	LIB	14 20 43.914	-11 29 12.00	-0.0009	-0.063	6.30						G7III		158528		
3387	64	LEO	11 04 59.281	+23 35 39.69	-0.0010	+0.004	6.30		6.470				A M		81681		
3388	KT	CYG	19 42 12.630	+48 39 25.77	-0.0005	+0.019	6.3	4					M3E	4	48773	V	
3389	T	NOR	15 40 11.707	-54 49 44.79	-0.0010	-0.023	6.3	4					M4E	4	242884	V	
3390	AR	LAC	22 06 39.525	+45 29 45.02	-0.0028	+0.035	6.3						K2III+FA		51684	V	
3391	R	LMI	09 42 34.691	+34 44 34.30	-0.0012	+0.009	6.3	4					M7E	4	61669	V	
3392	ET	AND	23 15 34.873	+45 12 56.35	+0.0030	-0.012	6.3	6	6.260	7			B9P	6	52876	V	
3393	S	SCL	00 12 51.106	-32 19 22.52	+0.0069	+0.019	6.3						M6E	4	192424	V	
3394	54	B LEO	10 52 55.016	+25 00 58.11	-0.0054	-0.030	6.301	2	6.321	2	6.331	2	A1N		91584	D	82
3395	37	HYA	09 37 20.840	-10 20 35.66	-0.0020	+0.000	6.31	2	6.28	2	6.14	2	B9		155377		
3396	31	CAP	21 15 27.944	-17 40 22.92	+0.0024	+0.006	6.31						A5		164289		
3397	V 592	MON	06 48 17.803	-07 58 53.32	-0.0008	-0.002	6.31	2	6.31	2	6.33	2	A2P	7	133761	V	
3398	SX	COL	06 29 50.933	-36 54 14.85	-0.0007	+0.054	6.31		7.94	7			M1		196906	V	
3399	21	PUP	08 15 05.499	-16 07 44.75	-0.0018	-0.012	6.31						A0		154076		
3400	HQ	HYA	08 16 51.267	-10 00 30.92	-0.0033	+0.033	6.31	2	6.64	2	6.81	2	A5	7	154105	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T. NO.	STAR PROP.	G N
3401	70	CNC	09 01 11.303	+28 05 50.69	+0.0001	-0.005	6.31		6.310				A0V		80600		
3402	26	LIB	15 11 44.134	-17 34 59.22	-0.0017	-0.018	6.31		6.290				B9		159122		
3403	6	SGR	17 58 28.705	-17 09 24.26	+0.0000	-0.001	6.31						K3III		160908		
3404	V 923	AQL	19 28 02.933	+03 20 19.11	+0.0005	+0.007	6.32						A0P		124704	V	
3405	56	CAM	08 11 38.522	+60 32 01.89	-0.0018	+0.005	6.32						DA7		14479	n	21
3406	23	PHI- 2B	08 23 45.649	+27 05 57.10	-0.0010	-0.001	6.32		6.500				A4III		80197	n	27
3407	49	CAM	07 41 56.712	+62 57 13.10	-0.0051	-0.059	6.32						GF0		14322		
3408	THE- 2	PIC	05 23 38.040	-52 21 33.19	-0.0018	-0.029	6.32						A0		233965	n	
3409	48	TAU	04 12 55.737	+15 16 37.43	+0.0080	-0.027	6.32	2	6.72	2	6.74	2	DF2		93836	V	
3410	31	PSC	23 59 50.387	+08 40 42.68	+0.0002	+0.003	6.32	2	6.50	2	6.64	2	A5		128544		
3411	61	PEG	23 13 19.482	+27 58 30.19	+0.0012	+0.001	6.33						GK3		11130		
3412	14	DEL	20 47 21.127	+07 40 37.89	+0.0015	+0.016	6.33	2	6.35	2	6.33	2	A2		126265		
3413	TAU -1	HYI	01 41 17.558	-79 24 01.01	+0.0206	+0.017	6.33	2	7.27	2	7.96	2	K0		255806		
3414	71	CET	02 22 26.587	-03 00 19.47	-0.0004	-0.003	6.33	2	6.33	2	6.19	2	A0		129808		
3415	3	UAI	14 06 31.564	+74 49 49.51	-0.0162	+0.013	6.33						A3		7953		
3416	20	VIR	12 30 30.989	+10 34 16.70	-0.0038	-0.001	6.34						G67		100146		
3417	41	UMA	10 43 15.233	+57 37 48.38	-0.0064	-0.068	6.34	2	7.90	2	9.80	2	M1III		27760		
3418	77	A	01 03 13.821	+04 38 33.19	+0.0013	-0.116	6.34	2	6.72	2	6.68	2	DF5		109666	n	
3419	54	ARI	03 05 30.787	+18 36 16.03	+0.0033	-0.013	6.34						GM0		93293		
3420	36	ARI	02 41 31.363	+17 33 12.67	+0.0027	-0.031	6.34						GK2		93091		
3421	GAM- 2	CAE	05 02 38.893	-35 46 25.16	+0.0017	-0.039	6.34	2	6.64	2			F0		195534	V	
3422	PI	IND	21 52 44.415	-58 08 14.62	+0.0026	+0.015	6.34						A M?		247230		
3423	7	VJL	19 27 09.914	+20 10 31.11	-0.0000	-0.019	6.34		6.230				B5V		87269		
3424	24	AQL	19 16 17.404	+00 14 47.21	+0.0006	+0.013	6.34						G69		124492		
3425	U	SGR	18 28 56.533	-19 09 42.32	-0.0007	-0.000	6.340	1	7.300	1	7.880	1	CF5		161571	V	
3426	20	UMI	16 13 45.917	+75 20 06.82	-0.0123	+0.033	6.35						GK3		8452		
3427	53	-F- 2	22 23 51.659	-16 59 50.22	+0.0154	+0.000	6.35						DG2		165078	n	
3428	EP	VIR	12 44 29.852	+06 13 27.05	+0.0022	-0.047	6.35		6.29				A4P	7	119585	V	
3429	19	GEM	06 28 44.798	+15 56 24.67	-0.0011	-0.017	6.35						A5		95778		
3430	5	PER	02 07 59.024	+57 24 38.73	-0.0015	+0.010	6.35	2	6.68	2	6.25	2	B5IA		23011	n	
3431	ZET- 1A	ANT	09 28 37.520	-31 40 05.92	+0.0019	-0.031	6.35						A0		200445	n	
3432	V 765	CEN	13 36 44.100	-39 29 40.06	-0.0019	-0.029	6.36		8.02	7			M4		204708	V	
3433	V 386	PER	03 54 49.499	+34 40 18.22	+0.0011	-0.016	6.36						A8V	7	56847	V	
3434	14	CAM	05 08 51.500	+62 37 56.75	-0.0048	+0.008	6.36						A2		13413		
3435	32	UPS- 2	08 30 02.916	+24 15 22.67	-0.0049	-0.051	6.36	2	7.38	2	8.26	2	G9III		80245		
3436	20	AQR	21 22 15.332	-03 36 49.45	-0.0006	-0.049	6.36	2	6.69	2	6.82	2	GA9		145376		
3437	28	PEG	22 08 08.187	+20 43 53.56	-0.0013	-0.008	6.37		6.490				A4III		90287		
3438	56	AQR	22 27 36.684	-14 50 31.30	+0.0025	-0.036	6.37						A0		165127		
3439	CG	AND	23 58 09.996	+44 58 30.09	+0.0024	+0.010	6.37		6.300				A P		53568	V	
3440	29	CAM	05 46 17.945	+56 54 17.72	-0.0009	-0.008	6.37						A2N		25403	D	
3441	ZET	CAE	04 45 52.463	-30 06 32.44	+0.0026	+0.095	6.37	2	7.44	2			K0		195300		
3442	VY	PSC	01 43 52.168	+17 09 47.61	+0.0037	+0.015	6.37						A7N		92622	V	
3443	16	CAS	00 31 28.807	+66 28 29.78	+0.0036	+0.006	6.37		6.290				B9		11265		
3444	9	CVN	12 36 22.106	+41 08 57.73	-0.0025	-0.021	6.37		6.550				A5V		44265		
3445	37	SEX	10 43 29.494	+06 38 13.93	-0.0008	-0.040	6.37	2	7.49	2	8.60	2	GK1		118483		150
3446	80	LEO	11 23 15.828	+04 08 08.22	-0.0055	-0.045	6.37	2	6.70	2	6.75	2	A8N		118851		
3447	20	DRA	16 56 10.002	+65 06 53.89	-0.0076	+0.031	6.37						F0		17285	DV?	
3448	29	OPH	16 58 55.512	-18 48 49.48	-0.0028	-0.020	6.37						GK0		160231		
3449	49	HER	16 49 48.129	+15 03 24.26	+0.0011	+0.002	6.38		6.330				A P		102435		
3450	BX	BOO	14 58 56.279	+47 28 27.43	-0.0014	+0.021	6.38		6.24	7			A0P	6	45326	DV	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	C L
3451	LAM	UmI	18 21 21.819	+89 03 03.50	-0.1072	+0.0061	6.38	2	7.95	2	9.74	2	M1III		3020		
3452	24	LvI	10 13 38.354	+28 56 00.07	-0.0042	-0.0093	6.38						OG0		81259		
3453	68	UvA	12 09 15.828	+57 19 57.68	+0.0006	-0.018	6.38						GK5		28201		
3454	32	COM	12 49 43.043	+17 20 43.66	-0.0002	-0.017	6.38						Gv0		100309		
3455	22	AUR	05 20 12.706	+28 53 27.71	+0.0015	-0.029	6.38		6.370				B9V		77130		
3456	7	LYN	06 30 23.285	+55 23 32.05	+0.0004	+0.003	6.38						K0		25814		
3457	54	CNC	08 48 14.474	+15 32 14.51	-0.0079	+0.074	6.38	2	7.02	2			D32		98168		
3458	13	PSC	23 29 23.586	-01 21 43.93	+0.0006	+0.022	6.38	2	7.56	2	8.66	2	GK1		146756		
3459	58	AQR	22 29 02.329	-11 09 44.89	+0.0049	-0.042	6.39						A7M		165147		
3460	39	CNC	08 37 13.995	+20 11 08.03	-0.0025	-0.019	6.39	2	7.37	2	8.20	2	KNIII		80333		
3461	25	GEM	06 38 11.875	+28 14 40.66	+0.0007	-0.010	6.39						G5IR		78636		
3462	32	GEM	06 43 05.673	+12 44 50.38	-0.0000	-0.000	6.39						F0		96084	V?	
3463	43	AUR	06 14 33.152	+46 22 56.00	+0.0013	-0.127	6.39	2	7.50	2	8.62	2	K2III		41010		
3464	9	CET	00 20 18.035	-12 29 14.89	+0.0266	+0.065	6.39	2	7.05	2			OG2		147237		
3465		FOR	03 23 59.765	-36 05 42.54	+0.0019	-0.004	6.39	2	6.47	2			A2		104289	V?	
3466		CHI- 1 V1276	19 40 48.917	+29 12 41.39	+0.0045	+0.049	6.39	7					F0		7612	V	
3467	25	SGR	18 31 29.212	-24 15 44.42	+0.0001	-0.001	6.39						CF3		186905		
3468		X	18 35 57.512	+08 47 19.71	-0.0011	+0.007	6.4						GM6E		123744	UV	
3469		UPS- 2	17 47 08.153	-53 07 01.90	+0.0011	-0.011	6.40						A0		245072		
3470	88	HER	17 48 44.710	+48 24 24.48	-0.0004	+0.015	6.40		6.250				A0		46997		
3471		SU	19 42 48.509	+29 08 34.10	-0.0001	+0.000	6.4		6.820	7			F2P		87659	V	
3472		KP	03 29 12.536	+44 41 14.08	+0.0011	-0.010	6.40	2	6.43	2	5.70	2	R2IV		38927	V	
3473		Z	02 45 32.104	-12 40 04.33	-0.0001	-0.036	6.4						M4III		148612	V	
3474	32	CET	01 07 41.405	-09 10 17.16	-0.0012	-0.033	6.40	2	7.44	2	8.31	2	GG6		129154		
3475	18	CAM	05 28 16.560	+57 11 18.31	+0.0145	-0.219	6.40						DF7		25241		
3476	54	CAM	07 58 32.122	+57 24 51.02	-0.0032	-0.066	6.40						DFR		26634		
3477		AF	19 28 42.955	+46 02 31.72	+0.0027	+0.010	6.4	4					M4	4	48521	V	
3478		R	16 32 31.281	+66 51 28.55	-0.0060	-0.046	6.4	4					M6E	4	17137	V	
3479		R	15 32 20.943	-49 20 32.94	+0.0023	-0.014	6.4	4					M4E	4	225948	UV	
3480		V	14 27 44.151	+39 04 59.12	+0.0021	-0.035	6.4						M6E	4	64180	V	
3481	28	COM	12 45 44.053	+13 49 33.69	-0.0033	-0.033	6.40		6.420				A0V		100269		
3482	17	VIR	12 19 59.426	+05 35 00.08	-0.0113	-0.057	6.40	2	7.00	2	7.08	2	DF7		119360	D	
3483		V	14 28 56.912	-56 40 02.43	-0.0027	-0.015	6.40		7.300				F5		241777	V	
3484		S	09 30 06.988	-28 24 24.28	-0.0057	+0.035	6.4		6.730	7			F0		177619	V	
3485	34	HYA	09 35 24.347	-09 11 56.02	-0.0045	-0.003	6.40	2	6.36	2	6.27	2	A0		137011		
3486	22	LvI	10 12 14.350	+31 43 01.44	-0.0029	-0.006	6.41						GG3		61953		
3487		V 766	13 43 40.199	-62 20 25.12	-0.0023	-0.016	6.41	2	8.25	2			G8IA+P	7	252448	UV	
3488	35	VIR	12 45 18.552	+03 50 43.38	-0.0006	-0.007	6.41	2	8.01	2			GM4		119596		
3489	67	AQR	22 40 37.611	-07 13 31.07	+0.0016	-0.012	6.41	2	6.37	2	6.26	2	B9		146273		
3490	3	CAP	20 13 36.771	-12 29 29.66	+0.0006	-0.012	6.41		6.420				B9		163402	D	
3491	24	MON	07 12 45.781	-00 04 22.96	-0.0016	-0.004	6.41	2	7.31	2	7.88	2	GG5		134414	D	
3492	05	SGR	20 02 39.592	-12 48 28.62	+0.0004	-0.049	6.41						A0		163253		
3493		MU	19 26 31.603	-55 12 53.33	+0.0043	-0.012	6.41						DF6		246131		
3494		GM	15 01 27.884	-40 39 59.93	-0.0014	-0.042	6.41	2	7.87	2			GM4		225422	V	
3495	17	LIB	14 55 30.544	-10 57 18.86	-0.0010	-0.019	6.42						A0		158935		
3496		V 642	17 31 26.526	+14 52 33.14	+0.0015	-0.071	6.42		7.97	7	9.43	7	GM4	7	102918	V	
3497		V	23 54 03.935	+82 54 46.25	+0.0258	+0.017	6.42						A2		3994	V	
3498		GAM- 2	12 28 29.606	-56 48 17.53	+0.0006	-0.004	6.42	2	6.58	2			A2		240022	D	
3499	28	UMA	09 42 05.969	+63 53 04.72	-0.0019	-0.046	6.42						A7N		14980	D	
3500	4	CET	00 05 10.335	-02 49 37.30	+0.0016	+0.003	6.43	2	6.29	2	5.81	2	A0N		128595		42

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE																						
NUMBER	STAR DESIGNATION		RT. ASCEN. HR MN SEC			DECLINATION DEG MN SEC			P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	C N
3501	22	TAU	03 43	03.846	+24 22	24.38		+0.0011	-0.0041	6.43	2	6.41	2	6.26	2			B9V		76164		
3502		IC 2	PIC	04 49	49.289	-53 32	38.98		-0.0108	+0.083	6.44		6.780					F0		237110		
3503	34		LEO	10 08	56.972	+13 36	09.71		+0.0027	-0.040	6.44	2	6.90	2	6.92	2		F6V		08901		
3504		1 XI - 1	CAP	20 09	11.715	-12 32	32.44		-0.0006	-0.016	6.44							K0III		163328		
3505		BW	VJL	20 52	14.918	+28 19	51.73		+0.0004	-0.007	6.44							H2II		09265	V	
3506	23		LIB	15 10	32.985	-25 07	19.22		-0.0293	-0.073	6.45	2	7.15	2				DG4		103275		
3507		GK	VEL	09 23	14.783	-43 45	38.61		-0.0026	+0.030	6.45	4	8.02	7	9.65	7		M5III	7	221146	V	
3508				22 33	38.333	+39 22	07.92		-0.0008	+0.001	6.45		6.310					B2V		72598		
3509	8	B	LAC	22 33	38.333	+39 22	07.92		-0.0008	+0.001	6.45	2	6.85	2	6.83	2		DF3		118086		
3510	13		SEX	10 01	33.031	+03 26	42.73		-0.0052	-0.101	6.45	2	6.85	2				A3N		08767		
3511	19		LEO	09 44	44.747	+11 48	01.42		-0.0037	+0.001	6.45	2	6.88	2				DF6		74280		
3512	61		PSC	00 45	15.380	+20 39	08.80		+0.0112	+0.011	6.45							A0		114085		
3513	14		MON	06 32	03.838	+07 36	46.81		-0.0008	-0.005	6.45		6.43	2	6.40	2		F2		153400		
3514	8		PUP	07 49	20.522	-12 41	24.96		-0.0005	-0.015	6.46									93925		
3515	70		TAU	04 22	45.844	+15 49	41.75		+0.0074	-0.027	6.46	2	6.95	2	6.97	2		DF5		43945		
3516	65	A	UMA	11 52	29.996	+46 45	18.11		-0.0001	+0.004	6.46							A0		06753	V	
3517		LT	VUL	19 01	33.664	+21 11	34.22		+0.0015	-0.020	6.46							F2III	7	163245		
3518	64		SGR	20 02	19.794	-11 44	32.17		-0.0003	-0.012	6.46							GF4		115864	V	
3519		AZ	C4I	07 41	31.249	+02 31	33.73		-0.0034	-0.024	6.47	2	6.67	2	6.81	2		F0		19826		
3520	17	XI - 1	C4P	22 02	19.143	+64 23	03.30		+0.0286	+0.090	6.47	4						G	6	213517		
3521	13		PSA	22 01	31.187	-30 09	34.39		+0.0011	+0.005	6.47	2	8.10	2				K5		51204	V	
3522		V1339	CYG	21 40	13.515	+45 32	13.93		+0.0003	-0.009	6.47							M4		08276		
3523	17	THE- 3	SGE	20 07	44.152	+20 45	55.27		+0.0038	+0.103	6.48	2	6.86	2	6.82	2		DF1		57803		
3524	18		AUR	05 16	05.549	+33 56	04.94		+0.0008	-0.010	6.48							A5		143809		
3525	57		AOL	19 51	55.686	-08 22	07.69		+0.0012	-0.026	6.48	2	6.44	2	6.17	2		B8N		02237	V	
3526		FM	COM	12 16	30.903	+26 17	08.64		-0.0003	-0.026	6.48	2	6.66	2	6.75	2		A7V	7	158385		
3527	96		VIR	14 06	20.481	-10 05	54.66		-0.0006	+0.020	6.48							GG7		139254	V	
3528		DK	VIR	13 13	51.276	-01 07	34.94		-0.0037	-0.017	6.49		6.79	7				F0		129262	V?	
3529	43		CET	01 20	01.216	-00 42	38.06		+0.0013	-0.009	6.49	2	7.57	2	8.58	2		GK0		109740	OV?	
3530	86	ZET- 2	PSC	01 11	08.346	+07 18	52.03		+0.0097	-0.046	6.49							DF6		26572		
3531	52		CAM	07 52	24.226	+56 38	17.07		+0.0000	-0.026	6.49							A0		152363	OV	
3532		V 569	MON	07 03	27.976	-10 34	59.24		-0.0004	-0.032	6.49	2	6.44	2	5.56	2		B0.5IVN	7	79070	V	
3533		R	GEM	07 04	20.784	+22 46	56.72		+0.0003	-0.004	6.5							S3-9E		25112	OV	
3534		R	AUR	05 13	15.256	+53 31	56.59		+0.0020	-0.020	6.5							GM7E		249424	V	
3535		SW	PIC	06 01	31.649	-60 05	40.99		+0.0012	+0.004	6.50		8.08	7	9.89	7		M1		26097	V	
3536		R	LYN	06 57	10.767	+55 24	06.74		-0.0005	+0.005	6.5	4						SF	4	194318		
3537		CHI- 3	FJR	03 26	15.664	-36 01	31.66		+0.0020	-0.000	6.50	2	6.63	2				A0		163080		
3538		V 505	SGR	19 50	17.153	-14 43	57.84		-0.0005	-0.042	6.5							A1V+F6?	7	104711	V	
3539		U	SGE	19 16	37.057	+19 31	04.09		+0.0015	+0.003	6.5							B7III+K1II	6	06405	V	
3540		V 535	HER	18 43	28.272	+21 55	51.47		+0.0010	+0.012	6.50		6.52					A P		64687		
3541	51	MU - 2	BOO	15 22	37.402	+37 31	18.89		-0.0124	+0.091	6.50	2	7.09	2	7.22	2		DG0		70406	V	
3542		V 568	CYG	20 40	24.615	+35 16	33.76		-0.0018	-0.007	6.50							B2VE		70423	V	
3543		X	CYG	20 41	26.598	+35 24	23.93		-0.0010	-0.001	6.5		7.340	7				F7IB		178088	V	
3544		Y	HYA	09 48	45.004	-22 46	56.91		-0.0013	-0.004	6.5	4						NP	4	43748	V	
3545		ST	UMA	11 25	06.887	+45 27	37.65		+0.0003	-0.051	6.5	4						MR	4	251185	V	
3546		AG	CAR	10 54	10.612	-60 11	10.82		-0.0002	-0.016	6.5							PEC	4	166005	V	
3547		W	CET	23 59	33.643	-14 57	15.21		-0.0009	-0.016	6.5							S7-3		227442	V	
3548		RS	SCO	16 51	59.822	-45 01	22.90		+0.0047	-0.029	6.5	4						M6E	4	216987	V	
3549		R	PIC	04 44	49.277	-49 20	07.11		+0.0045	+0.036	6.5	4						M2E	4	75927	V	
3550		UX	ARI	03 23	32.953	+28 32	32.35		+0.0016	-0.106	6.51	4	7.42	7	7.90	7		G5V+K0IV:	7	108782		
	76		PEG	23 40	11.351	+16 03	29.32		+0.0063	+0.018	6.51	4						K0	4			

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OF POOR QUALITY

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	G N
3551	14	SLP	15 33 59.546	-00 23 48.98	-0.0020	-0.024	6.51						RF5		1,0643		
3552	EIA- 1	FUR	02 45 31.970	-35 45 29.85	-0.0038	-0.035	6.51						K0		103916		
3553	81	CNC	09 09 33.509	+15 11 55.13	-0.0361	+0.242	6.51	2	7.24	2			RG7		98427		
3554	J- 1	CEN	13 19 20.663	-60 42 38.52	-0.0020	-0.018	6.51						B4V		252283	RV?	
3555	FU	CMA	06 58 11.836	-22 02 53.31	-0.0008	-0.020	6.52	2	6.36	2			B3IV-VNF	7	172725	RV	
3556	42	AUR	06 13 51.050	+46 26 34.93	-0.0041	+0.018	6.52	2	6.79	2	6.88	2	F0V		40900		104
3557	8 EPS- 2	MON	06 21 07.436	+04 37 22.65	-0.0016	-0.011	6.520	2	6.720	2	6.860	2	DF4		113811		
3558	7 KAP- 2	HER	16 05 49.369	+17 11 12.00	-0.0022	-0.031	6.52						GK2		101952		
3559	HK	LAC	22 02 57.439	+46 59 27.21	+0.0060	+0.045	6.52	4	7.56	7	8.28	7	K0III	7	51628	V	
3560	XI	TUC	22 44 15.109	-65 49 27.93	-0.0053	-0.016	6.52	4					K0	4	255316		
3561	40	CNC	08 37 19.063	+20 08 56.65	-0.0025	-0.015	6.52	4					A0	4	80376		
3562	9	LYN	06 31 49.240	+56 25 41.18	-0.0042	-0.054	6.53	4					F2	4	25829		
3563	ZET	PSA	22 28 07.169	-26 19 46.83	+0.0026	-0.066	6.53						GK0		191106	DV?	
3564	LAM	MEN	05 48 49.302	-72 43 00.84	+0.0047	+0.020	6.53	2	7.61	2	8.58	2	K0		256239		
3565	SIG- 3	ORI	05 36 16.398	-02 37 17.58	-0.0015	-0.012	6.53		6.320				B3		132408		
3566	19	B LYN	07 18 46.483	+55 22 51.68	+0.0005	-0.026	6.53						A0		26311		
3567	37	CNC	08 35 22.736	+09 45 02.41	-0.0027	-0.010	6.53	2	6.51	2	6.47	2	A0		116975		
3568	14	HER	16 08 46.841	+43 57 02.50	+0.0114	-0.304	6.54	4					K0	4	45973		
3569	FG	VIR	12 11 41.613	-05 26 24.64	-0.0056	+0.114	6.54	4					A5	6	138664	DV	
3570	B	OCT	22 20 21.891	-89 04 36.36	+0.0571	-0.040	6.54	4					A5	4	258931		
3571	21	CAP	20 58 03.042	-17 43 37.22	-0.0019	-0.011	6.54	4					K0	4	164061		
3572	25	ARI	02 24 43.583	+09 58 38.74	-0.0195	-0.200	6.54	4					G0	4	110537		5
3573	65	DRA	20 01 47.129	+64 29 34.34	+0.0066	+0.012	6.54						GG7		18669		
3574	29	HYA	09 24 47.584	-09 00 20.86	-0.0023	-0.004	6.54	2	6.59	2	6.61	2	A0		136861		
3575	48 IOT- 1B	CNC	08 43 38.685	+28 56 57.95	-0.0013	-0.044	6.542	2	7.572	2	8.352	2	A3V		80415	RV?	25
3576	EZ	CMA	06 52 08.092	-23 51 51.60	-0.0010	+0.001	6.55	4			5.650	7	WN5	7	172546	V	
3577	23	LEO	09 48 19.771	+13 18 03.11	+0.0019	-0.012	6.55						GMO		08809		
3578	KAP- 1	CRA	18 29 56.295	-38 45 29.43	+0.0018	-0.027	6.55						B8		210296		
3579	57	HER	16 55 27.727	+25 25 43.30	+0.0002	+0.012	6.55						GG5		84720		
3580	-B- 2	HYA	10 48 38.988	-18 04 00.59	-0.0036	+0.004	6.55	4					A0	4	156271		
3581	41	CAM	06 35 54.294	+61 58 07.01	-0.0028	+0.021	6.55	4					A2	4	13917		
3582	15	GEM	06 24 47.704	+20 49 18.71	-0.0027	-0.049	6.55	4					K0	4	78305	0	
3583	107	TAU	05 05 53.202	+19 47 48.08	+0.0004	-0.013	6.55	4					G5	4	04345		
3584	EM	AQR	20 52 33.114	-01 33 53.97	-0.0003	+0.023	6.55	2	6.84	2	6.89	2	F0	6	144941	V	
3585	94	VIR	14 03 38.658	-08 39 13.93	-0.0001	+0.017	6.56	4					A0	4	139732		
3586	RHO- 1	OPH	16 22 24.076	-23 20 48.42	-0.0007	-0.040	6.56						B3V		184377	D	
3587	6	AUR	04 56 56.139	+39 34 52.49	+0.0002	+0.007	6.56	2	7.74	2	8.57	2	GK5		57560	V	
3588	R	PUP	07 38 56.212	-31 32 36.40	+0.0007	+0.010	6.56						G0IA		198286		
3589	30	ARI	02 34 07.115	+24 25 51.35	+0.0100	-0.002	6.57						DF5		75471		
3590	53 -F- 1	AQR	22 23 51.382	-16 59 46.26	+0.0181	-0.010	6.57	4					RG1		165077		
3591	29	LMI	10 22 52.234	+35 40 50.05	-0.0090	-0.068	6.57						K0	4	62037		
3592	58	CET	01 55 26.761	-02 18 09.14	+0.0024	+0.017	6.57	4					A0	4	129588		
3593	25	SCO	16 43 47.404	-25 26 21.43	-0.0003	-0.016	6.57						GG6		184630		
3594	52	OPH	17 32 17.858	-22 00 42.88	-0.0003	-0.011	6.57						A0		185526		
3595	PI - 1	UMI	15 32 00.234	+80 36 57.35	-0.0944	+0.115	6.58	2	7.25	2	7.38	2	G0IV-V		2556		
3596	10	AQR	20 57 54.167	-05 40 24.20	+0.0011	-0.009	6.58	4					A0	4	145021		66
3597	79	DRA	21 52 12.433	+73 27 56.37	+0.0085	+0.030	6.58	4					A0	4	10186		
3598	1	COM	11 59 10.718	+22 22 22.19	-0.0028	-0.016	6.58						F8	4	82106		
3599	V1264	CYG	19 33 09.002	+43 50 06.00	+0.0019	+0.006	6.58	7	6.53	7			ANP	6	48604	V	
3600	IM	MON	06 20 31.535	-03 15 01.97	-0.0001	+0.006	6.58	4					B5	4	133189	V	

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3601	35	CNC	08 32 27.104	+19 45 48.32	-0.0025	-0.014	6.58	2	7.26	2			GnIII		97928		
3602	10	GEM	06 15 51.567	+23 37 27.97	-0.0001	-0.010	6.59	4					G5	4	78210		
3603	17	HER	16 14 08.665	+23 14 44.81	-0.0010	-0.014	6.59	4					K0	4	84274		
3604	V 600	HER	16 34 40.575	+14 34 30.42	-0.0004	+0.005	6.59						B0.5III	7	192273	V	
3605	8	AQR	20 57 10.041	-13 14 49.89	-0.0023	+0.002	6.59	4					A3	4	164046		
3606	88	VIR	13 45 40.815	-06 35 18.80	-0.0027	-0.021	6.59	4					K0	4	139559		
3607	11	PSC	23 26 52.962	-02 03 59.72	-0.0010	-0.017	6.59	4					K0	4	146733		
3608	48	VIR	13 01 19.652	-03 23 40.75	-0.0026	-0.040	6.59	2	6.88	2	6.90	2	A7M		139131		
3609	5	LIB	14 43 12.051	-15 14 59.84	-0.0024	-0.005	6.60						GK2		158788		
3610	T	CRU	12 18 36.501	-62 00 14.72	-0.0006	+0.008	6.6	4	7.360	7			G0	4	251861	V	
3611	R	CRU	12 20 52.216	-61 21 07.59	+0.0017	-0.015	6.6	4	7.180	7			F5	4	251878		
3612	V 659	CEN	13 28 12.830	-61 19 29.68	+0.0005	+0.004	6.6	6					F8	6	252342	V	
3613	XX	CEN	13 37 01.128	-57 21 37.54	-0.0013	-0.025	6.6	4	7.330	7			G5	4	241049	V	
3614	HR	CAR	10 21 07.259	-59 22 17.38	+0.0002	-0.032	6.6	6					-	6	238005	V	
3615	27	SEX	10 24 15.245	-04 07 59.64	-0.0033	-0.003	6.60	4					K0	4	137567		
3616	18	LMI	09 53 35.690	+32 37 20.08	-0.0038	+0.010	6.60	4					F2	4	61771		87
3617	9	LEO	09 34 58.426	+24 53 45.43	-0.0075	-0.021	6.60	4					F8	4	80935		
3618	11	LEO	09 35 17.680	+14 34 26.81	-0.0048	-0.089	6.60	4					F2	4	98683		
3619	53	CNC	09 16 11.558	+17 55 06.30	-0.0085	-0.134	6.60	4					F5	4	98489		
3620	AI	VEL	08 12 26.223	-44 25 21.80	+0.0036	+0.057	6.60	4					F0	4	219640	V	
3621	118	TAU	05 26 11.488	+25 06 37.82	-0.0003	-0.031	6.6		6.560				B9V		77200	V	153
3622	X	TAU	03 50 31.585	+07 37 26.40	+0.0040	-0.109	6.6	4					F5	4	111476	V	
3623	IX	PER	03 31 53.832	+31 51 04.17	+0.0041	-0.043	6.6	6					F0	6	56559	V	
3624	U	CET	02 31 19.619	-13 22 02.50	+0.0017	-0.024	6.6	4					M3E		148467	V	
3625	5	PSA	21 26 04.793	-31 27 26.99	+0.0018	-0.008	6.60						A0		213034		
3626	U	VJL	19 34 26.480	+20 13 12.31	-0.0003	-0.010	6.6		7.74	7			G5		87447	V	
3627	AG	PER	04 03 43.466	+33 18 46.54	+0.0010	-0.004	6.61	4					B3	4	56973	UV	
3628	46	SEX	10 46 45.107	-03 45 33.12	-0.0035	-0.016	6.61	2	6.83	2	6.91	2	A2		137808	D	
3629	48	OR	05 36 14.881	-02 37 36.93	-0.0009	+0.001	6.62		6.420							D	110
3630	V 453	SCO	17 52 59.761	-32 28 06.52	+0.0005	-0.002	6.62	4					B0SE	7	209489	V	
3631	PI - 1	GRU	22 19 41.131	-46 12 02.35	+0.0006	-0.007	6.620	1	8.630	1	9.620	1	S4-7		231105	UV	
3632	-X- 2	VEL	10 37 24.541	-55 20 46.23	-0.0027	+0.002	6.62	4					B8	4	238313	D	
3633	24	SEX	10 20 54.745	-00 38 54.22	+0.0038	-0.044	6.62	4					G5	4	137532		
3634	RX	SEX	10 23 33.540	+04 11 13.33	-0.0000	-0.021	6.62	4					A3	7	118299	V	
3635	50	LEO	10 36 13.740	+16 23 17.91	+0.0038	-0.024	6.62	4					F2	4	99229		
3636	UZ	PSC	01 43 04.440	+08 18 34.95	+0.0018	-0.011	6.62	4					A2P	7	110111	V	
3637	WZ	SCL	01 26 26.505	-34 01 18.02	-0.0047	-0.020	6.62	4					A3	6	193136	V	
3638	9	AQR	20 58 23.090	-13 43 36.16	+0.0001	+0.008	6.63	4					G5	4	164064		
3639	34	SEX	10 40 02.568	+03 50 41.39	-0.0059	+0.019	6.63	4					F5	4	118443		
3640	19	HER	16 16 19.169	+26 01 02.13	-0.0006	+0.001	6.63	4					G5	4	84295		
3641	22	LIB	15 04 01.282	-16 17 30.91	-0.0045	-0.016	6.63	4					A0	4	159030		
3642	10T- 2	MUS	13 23 17.181	-74 25 55.78	-0.0098	-0.023	6.63	2	6.57	2	6.33	2	B9		257047		
3643	61	HER	17 01 42.397	+35 29 01.32	+0.0024	-0.037	6.63						GM4		65761		
3644	61	OPH	17 42 04.654	+02 35 56.65	+0.0001	+0.010	6.64						A0		122691	D	
3645	84	TAU	04 28 16.719	+14 59 56.13	+0.0031	-0.045	6.64	4					MA	4	93983		
3646	GZ	CAR	10 42 27.048	-59 43 49.18	-0.0006	+0.001	6.64	4	6.79	7			O9.5IB:	7	238414	UV	
3647	2 LAM	EQU	20 59 44.492	+06 58 55.48	-0.0006	-0.008	6.64	4					F8	4	126482	D	
3648	76	PSC	01 03 25.743	+31 54 52.26	+0.0009	-0.017	6.64	4					K0	4	54421		
3649	THE- 2	PHE	23 36 47.311	-46 54 55.65	+0.0026	+0.039	6.64	4					A3	4	231719	D	
3650	X	CNC	08 52 34.038	+17 25 22.13	+0.0001	+0.005	6.64	2	10.00	2			C5-4		98230	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C H	SAN CAT. NO.	STAR PROP.	G N
3651	15 PSC	23 32 55.123	+01 02 12.54		-0.0033	-0.021	6.65	4					K0		128270		
3652	46 PSC	00 25 22.061	+19 14 16.27		-0.0013	-0.011	6.65	4					K0	4	01909		
3653	36 LMI	10 35 02.369	+34 20 19.20		-0.0019	+0.004	6.65	4					A5	4	62167		
3654	21 CAM	05 35 50.675	+61 55 21.17		+0.0000	+0.016	6.65	4					G5	4	13564		
3655	14 GEM	06 22 42.632	+21 40 28.31		-0.0007	-0.015	6.65	4					B3	4	78355		
3656	23 RS SEX	10 18 27.090	+02 32 30.78		-0.0006	-0.007	6.65	2	6.57	2	5.90	2	G0	4	118248	V	
3657	9 UMI	15 00 21.995	+71 57 39.09		-0.0872	+0.091	6.66	4					B0	4	8140		
3658	-H PER	02 15 42.013	+56 56 22.44		+0.0005	+0.008	6.66	4					F0	4	23182	D	
3659	32 HER	16 31 32.078	+30 36 09.90		-0.0031	-0.006	6.66	4					G5	4	65380	D	
3660	54 OFH	17 32 03.755	+13 11 37.62		+0.0002	-0.031	6.66	4					A2	4	102925		
3661	31 SGR	18 49 08.140	-21 58 54.68		+0.0027	-0.043	6.66	4					A0	4	107381		
3662	21 LEO	09 48 07.934	+12 04 35.92		-0.0012	-0.010	6.66	4					A0P	7	98806	V	
3663	TZ LYN	08 27 52.020	+40 23 38.48		-0.0010	-0.041	6.66	4	8.28	7	10.14	7	M4	7	42408	V	
3664	WZ PSC	02 03 33.631	+08 00 35.68		-0.0005	-0.031	6.66	4					F5	4	110337		
3665	TAU- 2 GRU	22 52 21.798	-48 45 34.00		-0.0221	+0.058	6.66	4					A3	4	231353		
3666	46 SCP	16 05 42.574	+10 12 45.94		-0.0021	-0.029	6.67	4					A 4	4	101947		
3667	17 A HYA	08 53 02.503	-07 46 44.04		-0.0002	-0.028	6.67	4					F0	4	136409	D	
3668	6 MON	06 15 14.028	-10 42 19.15		-0.0006	-0.009	6.67	4					GRIII	4	151318	D	
3669	55 A ERI	04 41 11.099	-08 53 17.64		+0.0017	-0.024	6.67	4					K0	4	131443	D	
3670	67 GEM	07 30 33.687	+15 44 52.79		-0.0005	-0.007	6.67	4					B9V:	7	97012	DV	
3671	NO PUP	06 24 27.447	-38 53 39.10		-0.0020	-0.011	6.68	4					K2	4	199222		
3672	48 HER	16 47 18.435	+30 02 57.47		-0.0053	+0.076	6.68	4					B5	4	65577	V	
3673	V 599 AGL	18 59 48.032	-10 47 41.41		-0.0009	+0.006	6.68	4					B9	4	162122		
3674	4 GEM	06 07 27.856	+23 00 31.53		-0.0004	-0.005	6.68	4					B9	4	78063		
3675	127 TAU	05 39 57.076	+18 57 29.26		-0.0003	-0.006	6.68	4					F2	4	94793		
3676	96 PSC	01 26 26.278	+07 02 12.05		-0.0019	-0.049	6.68	4					F0	4	109916		
3677	38 CNC	08 36 50.435	+19 57 21.43		-0.0025	-0.015	6.68	4					F0	4	98006	V	
3678	ZZ BOO	13 53 51.752	+26 09 46.10		-0.0086	-0.007	6.69	4					G5	4	83080		
3679	29 CET	01 05 24.795	+01 43 56.14		+0.0089	-0.421	6.69	4					F5	4	109694		
3680	23 GEM	06 33 08.384	+16 50 21.47		+0.0012	-0.029	6.69	4					MB	6	05889	V	
3681	ER VIR	14 03 59.164	-13 58 00.77		-0.0008	-0.020	6.69	4					A0P	4	158357		
3682	9 TAU	03 34 01.282	+23 02 49.72		-0.0010	-0.020	6.69	4					B9	4	76029		
3683	28 OPH	17 00 55.924	-25 37 42.75		-0.0009	-0.026	6.69	4	7.08		6.99	2	F2V	4	184982	D	
3684	17 KAP- 1 BOO	14 11 40.271	+52 01 15.47		+0.0054	-0.024	6.69	2	6.97	2	7.06	2	A5	4	29045	V?	
3685	12 SEX	09 57 07.479	+03 37 28.41		-0.0046	+0.017	6.70	4	7.46	7			F5	4	118041	DV	
3686	RV SCO	16 55 03.271	-33 31 59.70		-0.0001	-0.024	6.7	4					F5	4	208246	V	
3687	AP SGR	18 10 00.173	-23 07 52.47		-0.0005	-0.006	6.7	4					MSF	4	186478	V	
3688	R SGR	19 13 45.779	-19 23 49.00		+0.0005	+0.019	6.7	4					MB	4	162394	V	
3689	SS CEP	03 41 32.814	+80 10 05.66		-0.0019	+0.019	6.7	4					F5	4	504	V	
3690	101 TAU	04 56 51.980	+15 50 35.68		+0.0061	-0.022	6.70	4	7.450	7			G5	4	94248	V	
3691	W GEM	06 32 05.556	+15 22 16.39		+0.0006	+0.001	6.7	4					A0	4	95862	V	
3692	ETA- 1 HYI	01 51 18.717	-68 11 25.10		+0.0047	-0.003	6.7	4					M7F	4	248455	V	
3693	T CAS	00 20 31.209	+55 30 56.21		+0.0057	-0.003	6.7	4					M5	4	21343	V	
3694	SV CAS	23 36 35.977	+51 59 07.63		+0.0003	-0.001	6.7	4					A2	4	75640	V	
3695	82 LEO	11 23 05.207	+03 34 36.07		-0.0021	-0.055	6.70	4					M6III	7	118847	V	
3696	UX LYN	09 00 35.781	+38 56 28.00		-0.0012	-0.024	6.70	4	8.17	7			K0	4	61226		
3697	13 CNC	08 07 11.939	+25 59 35.45		-0.0011	-0.033	6.7	4					GM7E	4	79991	V	
3698	U HER	16 23 34.862	+19 00 18.01		+0.0015	-0.006	6.7	4					C6-4	6	102160	V	
3699	V AGL	19 01 43.953	-05 45 38.19		+0.0011	-0.005	6.7	4					A0	6	142985	V	
3700	V 856 SCO	16 05 13.026	-38 57 38.55		-0.0024	-0.037	6.71	4							207368	DV	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C T. NO.	STAR PROP.	F I:
3701	59 B AND	02 07 51.149	+38 48 29.64		-0.0008	-0.022	6.71						A2		55331	n	
3702	GR AND	00 25 49.942	+32 09 41.58		-0.0017	-0.019	6.71	4	6.71	7			ANP	6	53921	v	
3703	LY AUR	05 26 21.945	+35 20 10.87		-0.0002	-0.004	6.71	4	6.90	7	6.12	7	09.5+09.5	7	58105	nv	
3704	41 HER	16 42 33.716	+06 10 57.17		-0.0142	-0.266	6.71	4					G5	4	121831		
3705	36 DRA	18 17 16.190	+68 43 19.27		-0.0062	-0.089	6.72	4					AN	4	17847		
3706	5 SGR	17 57 07.511	-24 16 54.82		+0.0022	-0.033	6.72						K0	4	1A6074		
3707	NO AUR	05 37 26.943	+31 53 43.27		+0.0008	+0.006	6.72	7	8.26	7			B2V	7	58322	v	
3708	51 ARI	02 59 27.740	+26 24 56.33		+0.0176	-0.161	6.72	4					G1	4	75606		
3709	CV VEL	08 59 03.648	-51 21 31.73		-0.0012	-0.001	6.72	4					B3	4	236495	v	
3710	42 CNR	08 37 51.120	+19 53 51.58		-0.0023	-0.019	6.72	4					A5	4	98030		
3711	QX CAR	09 52 56.908	-58 11 01.77		+0.0009	+0.010	6.72	4	6.55	7			B5V	7	237480	v	
3712	24 B COM	12 32 35.872	+18 39 07.84		-0.0002	+0.019	6.72						F1V?		100150	nv?	
3713	52 LMI	11 04 23.754	+25 48 28.47		-0.0049	-0.021	6.73	4					F5	4	81674		80
3714	V 822 AQL	19 28 39.650	-02 12 59.83		-0.0005	+0.002	6.73	4					B8	4	143494	DV	
3715	V 450 AQL	19 31 18.040	+05 21 23.91		-0.0011	-0.025	6.73	4					MB	4	124780	v	
3716	SV VOL	19 49 27.798	+27 19 52.77		+0.0004	+0.000	6.73	7	7.87	7			F7IAB-KOIA	7	87829	v	
3717	17 LYN	07 05 09.524	+60 52 24.38		-0.0011	-0.050	6.73	4					K0	4	14005		
3718	31 HER	16 29 37.876	+33 37 10.59		-0.0024	-0.020	6.74	4					A0	4	65360		
3719	30 LIB	15 20 14.159	-14 57 24.85		-0.0002	-0.015	6.74	4					K2	4	159212		
3720	17 LMI	09 49 20.180	+38 09 00.23		-0.0047	-0.022	6.74	4					F0	4	61725		
3721	54 CAS	02 04 46.640	+71 19 06.97		+0.0644	-0.233	6.74	4					F8	4	45488		
3722	15 CEP	22 02 15.929	+59 34 18.15		+0.0001	+0.004	6.74	4					B5	4	24016	n	
3723	12 OMI- 1 CAP	20 27 00.634	-18 45 12.18		+0.0013	-0.088	6.74	2	6.96	2	7.00	2	A3		163625	n	
3724	80 CNR	09 09 08.541	+18 15 00.42		-0.0026	-0.024	6.75	4					A0	4	98425		
3725	66 LEO	11 06 40.428	-01 03 43.01		-0.0047	-0.009	6.75	4					A2	4	138015		
3726	103 VIR	14 19 23.719	-01 45 37.73		-0.0046	-0.011	6.75	4					A2	4	139890		
3727	31 OPH	17 01 38.712	-25 34 32.41		-0.0015	-0.078	6.76	4					A5	4	184905		
3728	V 636 SCO	17 19 05.452	-45 34 01.06		-0.0004	-0.002	6.76	4	7.54	7			G5	4	227880	v	
3729	3 SGE	19 22 30.479	+16 51 28.42		+0.0026	-0.008	6.76	4					A0	4	104804		
3730	16 LMI	09 47 09.987	+39 51 55.87		-0.0001	+0.005	6.76	4					K5	4	61707		
3731	66 CNR	08 58 20.406	+32 26 56.52		-0.0003	-0.001	6.76		6.760				A3V		61202	n	
3732	R VEL	10 04 14.882	-51 56 38.00		-0.0076	+0.013	6.76	4					GG9		237690	v	
3733	40 PSC	00 17 20.996	+15 58 25.25		-0.0011	-0.001	6.77	3	7.10	3	6.44	3	K0	4	91850		
3734	AX MON	06 27 52.409	+05 54 08.03		+0.0007	-0.026	6.77	4					B3	4	113974	v	
3735	4 MON	06 06 04.791	-11 08 13.64		+0.0007	-0.007	6.77	4					A2	4	151154		90
3736	79 CET	02 32 49.378	-03 46 20.13		-0.0103	-0.428	6.78	4					G0	4	129992		
3737	V1294 AQL	19 31 07.185	+03 39 07.84		+0.0013	+0.001	6.78	4	6.80	7			B1IVEV	7	124788	v	
3738	83 PEG	23 50 07.490	+21 27 52.98		-0.0012	-0.021	6.78	4					K0	4	91552		
3739	EE PEG	21 37 34.216	+08 57 25.86		+0.0048	+0.012	6.78	4					A0	4	126971	v	
3740	26 SEX	10 24 03.728	-00 43 59.76		-0.0034	-0.000	6.78	4					K0	4	137565		
3741	11 CNR	08 05 46.237	+27 37 38.97		-0.0012	-0.025	6.79	4					K0	4	79974		
3742	28 CAM	05 42 38.602	+56 54 21.05		+0.0027	-0.023	6.79	4					A0	4	25364		
3743	25 CAM	05 39 50.361	+54 50 35.34		-0.0001	-0.014	6.80	4					A0	4	25344		13
3744	T COL	05 17 27.487	-33 45 30.00		+0.0040	+0.034	6.8	4					M5E	4	195748	v	
3745	THE- 1 PIC	05 23 34.089	-52 21 21.56		-0.0014	-0.017	6.8	4					A0	4	233964	D	
3746	TV HOR	02 28 46.315	-58 01 51.68		+0.0045	+0.028	6.80	4	8.35	7			M5III	7	232795	v	
3747	R RET	04 33 01.116	-63 07 55.59		-0.0017	+0.040	6.8	4					M4E	4	249053	v	
3748	S PAV	19 51 00.957	-59 19 37.62		+0.0004	-0.054	6.8	4					M7E	4	246334	v	
3749	RU SGR	19 55 16.833	-41 59 07.80		-0.0009	-0.122	6.8	4					M4E	4	229959	v	
3750	V CYG	20 39 41.318	+47 57 45.41		-0.0017	+0.026	6.8	4					N3	4	49940	v	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAR PROP.	G N
3751	T AQR	20 47 18.050	-05 20 01.14		-0.0011	-0.011	6.8	4					M3F	4	144854	V	
3752	RS CYG	20 11 34.543	+38 34 36.40		-0.0006	-0.002	6.8	4					NOF	4	69636	V	
3753	V1647 SGR	17 55 49.486	-36 56 08.05		+0.0025	-0.006	6.8	6					AN	6	209552	V	
3754	R ARA	16 35 34.799	-56 53 45.99		-0.0010	-0.005	6.8	4					B9	4	244037	V	
3755	TX DRA	16 34 17.446	+60 34 09.68		-0.0076	+0.018	6.8	4					"5	4	17155	V	
3756	ST HER	15 49 16.687	+48 37 59.07		+0.0002	-0.007	6.8	4					VC	4	45758	V	
3757	SV LYN	08 00 23.811	+36 29 10.23		-0.0003	-0.035	6.8	6					MR	6	60532	V	
3758	14 LMI	09 43 31.106	+45 20 51.61		+0.0052	-0.134	6.80	4					K0	4	43030		85
3759	TY PYX	08 57 34.039	-27 37 10.52		-0.0045	-0.032	6.8	6					G0	6	176805	V	
3760	AW UMA	11 27 25.569	+30 14 35.18		-0.0077	-0.203	6.8	6					F0	6	62579	DV	
3761	24 AQR	21 36 56.857	-00 16 41.20		+0.0154	+0.019	6.80	4					F8	4	145566	D	
3762	RW CEP	22 21 13.980	+55 42 36.29		-0.0009	+0.014	6.8	4					MA	4	34387	V	
3763	43 PSC	00 22 02.625	+14 02 18.98		+0.0011	-0.002	6.80	4					K0	4	91881		
3764	U CEP	00 57 44.916	+81 36 24.59		+0.0113	+0.002	6.8	4					A0	4	168	V	
3765	V 465 CAS	01 15 05.608	+57 32 25.30		+0.0013	+0.012	6.8	4					M5	7	22165	V	
3766	54 A VIR	13 10 46.153	-18 33 42.09		-0.0016	-0.022	6.8	4					AN		157798	D	
3767	2 B PUP	07 43 10.625	-14 33 48.31		-0.0015	-0.022	6.80						A0		153362	D	
3768	65 B UMA	11 52 35.569	+46 44 52.51		-0.0011	+0.001	6.81						B9		43946	D	
3769	61 AQR	22 33 07.403	-17 43 08.50		-0.0022	-0.039	6.81	4					K5	4	165178		
3770	62 VIR	13 17 42.169	-11 02 31.04		-0.0085	-0.015	6.81	4					K0	4	157869		
3771	128 TAU	05 42 00.310	+16 03 58.34		+0.0004	-0.009	6.81	4					AN	4	94823		
3772	10 LIB	14 49 02.658	-18 09 01.41		-0.0010	-0.005	6.82	4					K0	4	158860		
3773	62 HER	17 06 29.362	+24 33 01.37		-0.0003	-0.049	6.82	4					A0	4	84873		
3774	V1293 AQL	19 30 39.373	+04 55 14.55		+0.0006	-0.001	6.82	4					M5III	7	124777	V	
3775	14 AQR	21 13 36.770	-09 25 26.51		-0.0007	-0.006	6.82	4					MA	4	145251		
3776	35 CET	01 09 56.655	+02 12 28.45		-0.0118	-0.103	6.82	4					F8	4	109727		
3777	41 B AUR	06 07 46.641	+48 43 32.18		+0.0013	-0.066	6.82	4					A0	4	40924	D	
3778	40 CET	01 14 25.303	-02 32 25.59		+0.0172	-0.131	6.83	4					F8	4	129210	V	
3779	AH CEP	22 46 03.999	+64 47 52.62		+0.0003	+0.007	6.83	4					B3	4	20247		
3780	16 SEX	10 06 37.709	+06 24 59.86		-0.0009	-0.012	6.83	4					K0	4	118135		
3781	49 SCP	16 10 58.381	+13 39 35.12		+0.0122	-0.412	6.84	4					K0	4	102018	D	144
3782	12 HER	16 12 16.843	+07 58 59.09		-0.0011	-0.008	6.84	4					K0	4	121451		
3783	17 TAU-4 SCP	15 34 09.067	+15 15 55.98		-0.0005	+0.007	6.84	4					MB	4	101641	V	
3784	CD TAU	05 14 33.494	+20 04 47.81		-0.0006	-0.104	6.84	4					F5	4	77084	DV	
3785	23 ARI	02 16 21.609	+19 27 35.85		-0.0014	-0.114	6.84	4					F8	4	92884		
3786	7 CNC	08 00 53.481	+22 12 44.84		-0.0029	-0.010	6.85	4					K0	4	79903		
3787	85 AQR	23 03 16.432	-08 12 24.77		+0.0008	+0.003	6.85	4					A0	4	146505		
3788	20 PSA	22 42 48.015	-25 30 01.13		+0.0062	+0.020	6.85	4					A0	4	191392		
3789	39 LYN	09 19 08.230	+49 45 31.88		-0.0029	-0.003	6.86	4					B9	4	42825	D	91
3790	57 LEO	10 53 36.604	+00 42 00.53		-0.0009	-0.005	6.86	4					K0	4	118577		
3791	55 TAU	04 17 02.877	+16 24 12.84		+0.0081	-0.032	6.86	4					G0	4	93870	D	
3792	V 862 SCO	17 36 45.416	-32 10 28.89		+0.0008	-0.003	6.86						B NE-B8	7	209105	V	137
3793	117 TAU	05 25 07.345	+17 11 57.17		+0.0014	-0.050	6.86						GM1		94573		
3794	36 -M-1 HER	16 38 06.024	+04 18 11.75		-0.0003	-0.012	6.86						DA5		121774	D	
3795	34 DEL-2 ORI	05 29 27.041	-00 19 11.87		+0.0003	-0.003	6.87						B2V		132221	D	
3796	V 356 SGR	18 44 54.357	-20 19 49.29		+0.0006	-0.003	6.87	4					B3V?+A2II	7	187294	V	
3797	TX UMA	10 42 24.445	+45 49 45.74		+0.0014	+0.001	6.87	4					B8	4	43460	V	
3798	103 PSC	01 36 33.218	+16 22 20.89		-0.0002	-0.017	6.87	4					G5	4	92555	D	
3799	26 CAP	21 06 24.615	-20 23 47.76		+0.0019	+0.001	6.88	4					K0	4	190065		
3800	22 GEM	06 31 42.208	+19 28 09.56		+0.0000	-0.010	6.88	4					A0	4	95852		

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	H N	IV MAG.	U N	SPECTR. L CLASS	S N	SAO CAT. NO.	STAR PROP.	?
3801	9	MON	06 24 32.193	-04 19 27.73	-0.0004	-0.007	6.88	4					B5	4	133267		
3802	2	GEM	06 03 45.686	+23 38 42.05	-0.0002	-0.004	6.89	4					K0	4	77971		
3803	22	CAM	05 34 51.781	+56 20 02.55	+0.0019	-0.133	6.89	4					F5	4	25208		
3804	7	AGL	18 48 28.036	-03 19 13.17	-0.0033	-0.053	6.89	4					A2	4	142696		
3805	15	OPH	16 42 07.949	-23 05 33.07	-0.0019	-0.021	6.89	4					F5	4	184607		
3806	49	GEM	07 09 44.906	+25 50 01.82	-0.0007	-0.013	6.89	4					A0	4	79172		
3807		LYN	07 24 33.511	+46 05 35.76	-0.0004	+0.000	6.9	4					M8	4	41784	V	
3808	47	TV	00 25 26.270	+17 36 59.07	+0.0082	+0.025	6.9						M3III		91910	V	
3809	1	UW	06 13 18.309	+61 32 03.51	-0.0003	-0.004	6.90			7			M3		13787	V	
3810		HER	16 34 25.719	+07 12 26.72	-0.0013	+0.002	6.9	4					B9	4	121728	V	
3811		AZ	16 41 30.887	+72 45 55.81	+0.0010	+0.005	6.9	6					M0	6	8598	V	
3812		OPH	16 23 56.577	-12 18 54.74	+0.0006	-0.012	6.9	4					N3E	4	159916	V	
3813		CRB	15 47 44.082	+39 43 22.73	+0.0018	-0.002	6.9	4					N3F	4	64929	V	
3814		HER	18 07 12.635	+31 00 40.07	+0.0009	+0.006	6.9	4					M3E	4	66680	V	
3815		VUL	19 15 32.252	+22 21 00.57	+0.0010	+0.005	6.9	4					B8	4	87035	V	
3816	26	AUR	05 45 23.027	+39 31 06.13	+0.0001	-0.020	6.90	4					G0	4	58460		
3817		CAM	04 46 01.262	+68 05 01.57	+0.0003	+0.011	6.9	4					NB	4	13285	V	
3818		GK	21 30 21.005	+70 36 07.01	+0.0015	+0.004	6.9	6					A0	6	10069	V	
3819		RU	21 38 58.506	+54 05 49.33	-0.0037	-0.002	6.9	4					M8E	4	33654	V	
3820		Y	20 50 03.619	+34 28 08.28	+0.0017	-0.004	6.9	4					B2	4	70599	V	
3821		R	23 04 08.222	+10 16 21.49	-0.0003	-0.030	6.9	4					M7E	4	108403	V	
3822		W	22 34 32.712	+58 09 59.87	-0.0017	+0.019	6.9	4					PEC	4	34614	V	
3823		Z	01 13 21.018	+25 30 20.14	-0.0006	-0.007	6.9	4					NA	4	74593	V	
3824		WZ	23 58 41.893	+60 04 37.42	-0.0005	+0.002	6.9	4					NA	4	21002	V	
3825	39	OMI-1	17 14 57.384	-24 13 53.02	-0.0053	-0.010	6.90						F6IV-V		185237	V	
3826		V 449	17 33 43.201	-32 05 53.23	+0.0006	-0.035	6.91	4					A2V	7	209028	V	
3827	15	CET	00 35 31.026	-00 46 41.55	-0.0032	-0.005	6.92	4					K0	4	128868	D	
3828	33	COM	12 49 53.538	+17 22 49.27	+0.0022	-0.041	6.92	4					F8	4	100311		
3829	39	LMI	10 37 35.267	+27 47 11.08	+0.0004	-0.008	6.93	4					A2	4	81463	V	
3830		V 486	00 39 48.829	+52 03 47.54	-0.0010	-0.010	6.93	4					B3	6	21646		
3831	36	CET	01 10 16.599	-07 02 53.29	-0.0040	-0.012	6.93	4					G5	4	129177		
3832	41	CET	01 15 11.507	-07 55 22.59	+0.0009	+0.022	6.93	4					A2	4	129217		
3833	104	PSC	01 36 34.387	+14 01 57.51	+0.0060	-0.020	6.93	4					K0	4	92556		
3834	13	CAP	20 34 33.073	-15 19 18.53	+0.0043	-0.038	6.93	4					K0	4	163740		
3835	6	CAM	04 52 41.508	+55 44 46.54	-0.0005	-0.027	6.93	4					K5	4	24925		
3836	44	AKI	02 52 06.726	+17 31 57.71	+0.0025	-0.019	6.93	4					A3	4	93178		
3837	12	AUR	05 12 44.635	+46 21 40.99	-0.0001	+0.005	6.94	4					B5	4	40183		
3838		HZ	05 02 50.998	+33 51 08.33	+0.0001	-0.003	6.94	5	6.880	7			B9P	7	57631	V	
3839	17	UMI	15 56 10.522	+75 43 05.22	+0.0014	-0.016	6.94	4					G5	4	8376		
3840	49	PSC	00 28 11.068	+15 45 41.38	-0.0020	-0.002	6.94	4					A0	4	91934	D	
3841	46	CAM	07 15 33.109	+59 20 45.11	-0.0005	-0.031	6.94	4					K2	4	26274	V	
3842		Y	05 42 40.488	+20 40 33.18	-0.0000	-0.001	6.96	2	9.99	2			C7-4E		77516		
3843		TRA	15 04 58.521	-68 31 49.90	-0.0055	-0.044	6.97	4					A0	4	253029	DV	
3844		BW	14 35 05.702	+36 08 45.19	-0.0045	-0.016	6.97	4					A2	7	64240	V	
3845	38	PSC	00 14 49.833	+08 35 52.29	+0.0056	+0.084	6.98	4					F5	4	109111	D	
3846	9	SEX	09 51 29.911	+05 10 54.66	-0.0021	+0.012	6.98	4					K5	4	117980		
3847	36	AQR	22 06 48.305	-08 25 56.25	+0.0041	+0.051	6.99	4					G5	4	145905		
3848	84	AQR	23 02 42.418	-08 01 29.15	+0.0010	+0.002	7.0						K0		146500	D	
3849		TW	22 01 43.211	+28 06 20.37	+0.0011	-0.004	7.0	7					M6-M7	7	90201	V	
3850		S	21 35 52.650	+78 23 58.72	+0.0011	+0.007	7.0	4					N8E	4	10100	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SAN CAT. NO.	STAR PROP.	G N
3851	DL VIR	13 49 54.732	-18 27 45.03		-0.0032	+0.023	7.0	6					A5	4	158210	V	
3852	-I- 2B AQR	23 43 25.519	-18 57 26.72		+0.0114	+0.048	7.0	4					M4F	4	129808	V	
3853	R CET	02 23 28.709	-00 24 10.98		+0.0007	+0.011	7.0	4					M6E	4	22817	V	
3854	U PER	01 56 14.804	+54 34 48.93		+0.0036	+0.006	7.0	4					M4F	4	109934	V	
3855	R PSC	01 28 03.356	+02 37 27.97		+0.0007	+0.000	7.0	4					MB	6	238078	V	
3856	CK CAR	10 22 39.043	-59 56 15.93		-0.0019	-0.031	7.0	6	7.19	7	6.49	7	B2IRPE	7	220069	V	
3857	FY VEL	08 30 51.384	-49 25 50.11		-0.0015	-0.016	7.00	4					SF	4	15893	V	
3858	S UMA	12 41 45.615	+61 21 59.88		-0.0036	-0.017	7.0	4					MR	4	138594	V	
3859	RW VIR	12 04 41.092	-06 29 14.88		-0.0013	+0.015	7.0	4					A2	6	159146	V	
3860	ES LIB	15 14 03.148	-12 51 21.50		+0.0006	-0.002	7.0	6					G5	6	252822	V	
3861	V 737 GEN	14 33 19.858	-61 47 37.97		+0.0010	-0.009	7.0	6					MR	4	232977	V	
3862	V HOR	03 02 14.490	-59 07 38.16		+0.0076	-0.005	7.0	4					F2	4	193926	D	
3863	UPS- 1 FOR	02 46 38.139	-37 36 32.08		+0.0057	+0.070	7.0	4					K0	4	209132	V	
3864	BM SCO	17 37 42.757	-32 11 21.15		-0.0011	-0.001	7.0	4					K5	4	30659	V	
3865	UW DRA	17 56 31.970	+54 40 09.52		+0.0011	-0.023	7.0	4							70517	nv	
3866	V 367 CYG	20 46 06.404	+39 06 08.35		-0.0012	-0.006	7.0	6							78092	V	
3867	TV GEM	06 08 50.908	+21 52 51.61		+0.0002	+0.014	7.0	4					M1IAR			V	
3868	S CMI	07 30 00.288	+08 25 35.49		-0.0014	-0.008	7.0	4					M7E	4	115591	V	
3869	W CMA	07 05 43.195	-11 50 35.15		-0.0024	+0.023	7.0	6					NA	6	152427	V	
3870	S SCT	18 47 37.090	-07 57 59.35		-0.0000	+0.002	7.0	4					C5-4		142674	DV	
3871	S CHA	13 28 50.340	-77 18 35.60		-0.1021	-0.114	7.0	4	7.00	7			F5		257060	DV	
3872	FF VIR	14 23 22.973	+01 13 03.86		-0.0024	-0.045	7.01	4					A2P	7	120452	V	
3873	SEX	10 44 43.167	+06 36 38.26		-0.0033	-0.027	7.01	4					A2	4	118493	D	151
3874	100 A PSC	01 32 11.938	+12 18 12.10		+0.0005	-0.006	7.02	4					A3	4	92521		
3875	38 CAP	21 32 06.423	-20 28 31.14		+0.0002	-0.060	7.02	4					F8	4	190463		
3876	54 AQR	22 24 02.388	-11 28 58.89		+0.0026	-0.008	7.02	4					A3	4	165079		
3877	50 CAP	21 44 00.428	-11 55 40.13		+0.0020	-0.128	7.02	4					F8	4	164640		
3878	18 OPH	16 46 41.565	-24 33 16.27		-0.0002	-0.016	7.02	4					A2	4	144683		
3879	12 GEM	06 16 20.128	+23 17 46.15		+0.0000	-0.007	7.03	4					B9	4	78225		
3880	37 AQR	22 07 51.820	-11 04 02.37		+0.0034	+0.029	7.03	4					K0	4	164907		
3881	14 VIR	12 16 45.613	-08 38 12.56		+0.0000	-0.027	7.03	4					K0	4	138716	D	
3882	16 CVN	13 07 43.603	+38 59 22.62		-0.0035	-0.009	7.04	4					A3	4	63377		
3883	71 LEO	11 19 52.037	+17 42 41.85		-0.0083	-0.020	7.04	4					K0	4	99577		
3884	AK HYA	08 37 35.726	-17 07 23.39		+0.0002	-0.161	7.04	4					MB	4	154514	V	
3885	22 OPH	16 51 49.250	-23 25 55.27		-0.0011	-0.031	7.04	4					K0	4	184786		
3886	29 DRA	17 34 03.293	+74 15 33.08		-0.0186	+0.039	7.06	4					K2	4	8842		
3887	21 SEX	10 11 38.814	-07 44 40.38		-0.0014	-0.019	7.06	4					K0	4	137430		
3888	40 AQR	22 10 46.068	-12 10 26.50		+0.0017	-0.018	7.06	4					G5	4	164935		
3889	62 CET	02 06 37.162	-02 34 02.60		-0.0071	-0.035	7.07	4					F8	4	129722		
3890	17 SGR	18 13 36.586	-20 33 45.94		+0.0009	-0.015	7.07	4					G5+A5		186575		
3891	CH CYG	19 23 14.181	+50 08 31.02		-0.0009	-0.015	7.07	4					MB	4	31632	V	
3892	SZ CAM	04 03 23.837	+62 11 59.67		-0.0013	+0.010	7.07	4					B0II-III	4	13030	DV	
3893	XX CAM	04 04 46.077	+53 13 43.99		-0.0008	+0.001	7.07	4					K0	4	24431	V	
3894	77 VIR	13 30 47.578	-07 21 59.21		-0.0052	-0.001	7.08	4					F0	4	139407		
3895	CC CAS	03 10 07.408	+59 22 38.48		+0.0001	+0.004	7.09	4					B5	4	23886	V	
3896	R TRA	15 15 15.872	-66 18 53.37		-0.0003	-0.022	7.1	4	7.65	7			G0	4	253107	V	
3897	T MIC	20 24 52.534	-28 25 39.22		+0.0009	+0.003	7.1	4					M6E	4	189308	V	
3898	VW CEP	20 38 03.009	+75 24 58.37		+0.0899	+0.560	7.1	4					G5	4	9828	V	
3899	Z HER	17 55 51.372	+15 08 31.45		-0.0016	+0.074	7.1	4					F5	4	103254	V	
3900	R PAV	18 08 04.931	-63 37 43.55		+0.0003	+0.021	7.1	4					M3E	4	254172	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTR-L CLASS	C N	SAN C. T. NO.	STAR PROP.	N
3901	AI DRA	16 55 08.858	+52 46 31.71		+0.0007	-0.007	7.1	6					A0	6	30164	V	
3902	V 760 SCO	16 21 27.670	-34 46 45.73		+0.0016	-0.024	7.1	6					B8	6	207641	V	
3903	Q-1 CEN	13 38 31.621	-54 18 31.32		-0.0096	-0.055	7.10	4							241075		
3904	UY CEN	13 13 37.025	-44 26 26.26		-0.0004	+0.008	7.1	4					K5P	4	224021	V	
3905	V CNC	08 18 52.089	+17 26 43.26		+0.0002	+0.011	7.1	4					SF	4	27753	V	
3906	48 CAM	07 35 41.142	+59 40 42.93		+0.0000	+0.003	7.10	4					A2	4	26450		17
3907	12 PSC	23 26 56.398	-01 18 40.25		-0.0013	-0.027	7.10	4					G0	4	146735		
3908	RV CYG	21 41 12.006	+37 47 16.91		-0.0001	-0.004	7.1	4					N5	4	71642	V	
3909	EM CEP	21 52 21.842	+62 22 40.46		-0.0010	+0.017	7.10	4					A3	4	19718	V	
3910	R VUL	21 02 09.306	+23 37 19.43		+0.0017	+0.007	7.1	4					M4F	4	29429	V	
3911	W HYA	13 46 12.222	-28 07 06.51		-0.0028	-0.060	7.1	4					MAF	4	141941	V	
3912	24 A CNC	08 23 41.534	+24 41 59.89		-0.0029	-0.083	7.10	4					CF1	4	20184		
3913	3 SEX	09 45 43.552	-07 00 45.84		-0.0020	-0.017	7.11	4					B9	4	137142		
3914	68 CNC	08 58 55.374	+17 16 42.26		-0.0018	-0.013	7.11	4					B9	4	08302		
3915	81 VIR	13 34 57.840	-07 37 02.04		-0.0008	-0.004	7.11	4					K2	4	139447	D	
3916	31 SEX	10 27 56.023	+02 24 26.75		+0.0041	-0.047	7.12	4					K0	4	118341		
3917	V1372 CyG	20 12 18.456	+53 30 24.79		-0.0048	-0.048	7.12	4	7.09	7			A4P	7	12370	V	
3918	84 GEM	07 50 02.935	+22 27 52.83		-0.0004	-0.009	7.12	4					K0	4	79768		
3919	RHO-4 OPH	16 22 35.008	-23 17 30.47		+0.0005	-0.032	7.13	4					A	4	184383		
3920	3 LYN	06 17 30.382	+61 47 08.84		+0.0003	-0.112	7.15	4					F0	4	13819		
3921	29 A AGR	21 59 42.543	-17 12 21.87		+0.0009	+0.004	7.15	4					A2	4	164830		
3922	TT HYA	11 10 45.669	-26 11 34.84		-0.0021	+0.003	7.16	4					A2	4	179648	V	
3923	EP AGR	21 43 56.463	-02 26 40.90		+0.0015	+0.025	7.16	4	8.65	7			MRTT	7	145652	V	
3924	64 AGR	22 36 38.232	-10 17 18.75		-0.0031	-0.004	7.16	4					G0	4	165217		
3925	75 AGR	22 51 28.949	-12 27 23.02		+0.0032	-0.045	7.18	4					K0	4	165366		
3926	45 PSC	00 23 07.104	+07 24 53.46		+0.0031	-0.044	7.18	4					K0	4	109195		
3927	39 SEX	10 46 27.477	-08 50 06.04		-0.0005	-0.028	7.18	4					K0	4	137805		
3928	EV VIR	14 10 27.235	-13 37 33.62		-0.0032	-0.024	7.18	4					MR	6	158431	V	
3929	S PUP	07 45 16.786	-47 59 17.44		-0.0019	+0.016	7.18	4					A2	4	218988	V	
3930	KAP-1 TUC	01 14 03.911	-69 08 23.34		+0.0664	+0.113	7.186	2	7.656	2	7.686	2	F6V	4	248345	D	15
3931	R CMI	07 05 57.563	+10 06 16.10		-0.0008	-0.009	7.2	4					SF	4	06548	V	
3932	54 -M-2 HYA	14 43 06.570	-25 14 00.12		-0.0103	-0.083	7.2	4					DF9	4	182856		
3933	RR CEN	14 13 24.877	-57 37 22.09		-0.0083	-0.039	7.2	4					F2	4	241587	V	
3934	R CAM	14 21 17.844	+84 03 37.48		+0.0055	+0.017	7.2	4					SF	4	2366	V	
3935	RR CRB	15 39 36.166	+38 43 01.03		+0.0013	-0.035	7.2	4					MR	4	64848	V	
3936	RY BOO	14 47 28.221	+23 14 19.37		+0.0036	-0.012	7.2	4					F3	4	83548	V	
3937	SZ TAU	04 34 20.154	+18 26 35.17		-0.0012	-0.005	7.2	4	7.98	7			G0	4	04036	V	
3938	AD PER	02 16 56.982	+56 45 51.51		+0.0010	+0.005	7.2	6					M2-M3IAB	7	23207	V	
3939	XI-2 SCO	16 01 37.342	-11 14 08.07		-0.0047	-0.018	7.2	4					D67	4	159666	D	
3940	V2509 SGR	18 12 28.406	-35 39 16.24		+0.0012	-0.040	7.2	6					A0	6	209923	V	
3941	V 703 SCO	17 39 00.577	-32 29 59.96		+0.0020	+0.009	7.2	5	7.56	7			F0	7	209160	V	
3942	RR LYR	19 23 52.140	+42 41 11.91		-0.0110	-0.164	7.2	4	7.34	7			F5	4	48421	V	
3943	V1942 SGR	19 16 17.824	-16 00 03.03		+0.0019	+0.003	7.2	6					N0	6	162465	V	
3944	RX HER	18 28 20.202	+12 34 31.90		-0.0003	+0.013	7.2	4					A0	4	103793	V	
3945	TV UMA	11 42 58.064	+36 10 18.06		-0.0046	+0.020	7.2	6					MR	6	62693	V	
3946	TV HYA	13 34 25.223	-23 21 39.65		-0.0027	-0.059	7.20	4					A3	4	181797	V	
3947	S PER	02 19 15.115	+58 21 33.90		+0.0009	+0.016	7.2	4					M5	4	23261	V	
3948	S CAS	01 15 57.715	+72 20 55.56		+0.0001	-0.015	7.2	4					SE	4	4374	V	
3949	65 AGR	22 40 23.446	-10 21 54.38		-0.0004	+0.014	7.20	4					K0	4	165248		
3950	THE-1 IND	21 16 18.228	-53 39 35.85		+0.0109	-0.067	7.2	4							246964	D	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.
3951	FZ C-E P	21 18 11.289	+55 14 14.89		+0.0008	-0.009	7.2	6					"R	1	33320	
3952	T IND	21 16 52.207	-45 14 03.64		+0.0000	-0.006	7.2						"A	4	230635	V
3953	32 SEX	10 29 42.662	+04 54 09.04		-0.0009	+0.027	7.21	4					K0	4	118354	
3954	52 CMC	08 48 22.988	+16 11 13.67		-0.0021	+0.013	7.21	4					G5	4	98169	
3955	56 VIR	13 12 07.590	-10 06 20.17		-0.0023	-0.054	7.21	4					K5	4	157811	
3956	28 VIR	12 39 22.327	-07 13 32.04		+0.0006	-0.046	7.21	4					K5	4	138920	
3957	V 473 TAU	04 46 06.215	+29 29 07.09		-0.0001	-0.032	7.21	4	7.23	7			A0P	6	76771	V
3958	ZET- 1B ANT	09 28 36.972	-31 40 13.06		-0.0013	-0.029	7.21	2	7.148	2	6.618	2	A0	4	200444	
3959	EPS- 1 NOR	16 23 29.386	-47 26 12.79		-0.0027	-0.021	7.218	4	8.76	7	10.26	7	A	7	226772	
3960	FH VIR	13 13 52.749	+06 46 08.32		-0.0014	-0.050	7.22	4					M6TII	4	119843	V
3961	58 VIR	13 14 49.849	-10 17 00.19		-0.0057	+0.009	7.22	4					F0	4	157837	
3962	OMI OCT	00 12 16.820	-88 38 27.64		+0.0437	+0.000	7.22	4					A0	4	258218	
3963	33 LIB	15 26 44.732	-17 16 10.98		-0.0051	+0.007	7.23	4					F0P	4	159292	
3964	V 359 ORI	05 33 05.248	-04 52 07.25		+0.0006	-0.007	7.23	5					B3VP	7	132331	V
3965	20 A GEM	06 29 23.414	+17 49 17.07		+0.0025	+0.030	7.24	4					FR	4	95795	
3966	77 B PSC	01 03 16.018	+04 38 37.56		+0.0018	-0.114	7.24	2	7.73	2	7.70	2	DF4	4	109667	
3967	97 VIR	14 09 53.309	-09 39 57.37		+0.0026	-0.024	7.24	4					F0	4	139745	
3968	THE- 1 SGE	20 07 40.055	+20 44 54.04		-0.0003	+0.009	7.29	4					K2	4	88270	
3969	T PAV	19 45 08.004	-71 53 52.31		-0.0010	-0.008	7.3	4					M3E	4	257742	V
3970	VY DRA	15 39 12.505	+64 49 19.18		+0.0011	+0.011	7.30	4					K2	4	16806	V
3971	BV DRA	15 10 50.659	+62 02 32.93		-0.0245	+0.094	7.3	6					G0	6	16636	DV
3972	CY ERI	04 03 30.969	-10 25 48.27		+0.0018	-0.003	7.30	4	8.91	7	10.70	7	GM4	7	149358	V
3973	R ARI	02 13 16.060	+24 49 30.55		+0.0023	-0.011	7.3	4					M3E	4	75245	V
3974	UV CAM	04 01 31.482	+61 39 32.66		-0.0016	-0.012	7.3	6					R8	4	13009	V
3975	S CET	00 21 30.896	-09 36 16.04		+0.0009	+0.036	7.3	4					M4E	4	128740	V
3976	SW SCL	00 03 41.224	-33 05 40.72		+0.0002	+0.014	7.3	6					M0	6	192357	V
3977	AK PHE	01 17 24.600	-47 33 16.23		-0.0023	-0.008	7.3	6	8.93	7	10.69	7	VR	6	215450	V
3978	V1070 CYG	21 20 51.727	+40 43 06.11		-0.0005	-0.008	7.3	6					MR	6	50770	V
3979	S PEG	23 18 00.950	+08 38 42.05		+0.0052	-0.028	7.3	4					M6E	4	128130	V
3980	54 B VIR	13 10 46.352	-18 33 36.70		-0.0020	-0.015	7.3	4						4	157709	
3981	S HYA	08 50 57.491	+03 15 30.38		-0.0007	+0.010	7.3	4					M3E	4	117236	V
3982	XZ PUP	08 11 22.061	-23 48 03.97		-0.0033	+0.005	7.3	5					A0	7	175409	V
3983	T HYA	08 53 13.761	-08 56 58.07		-0.0015	+0.003	7.3	4					M3E	4	136414	V
3984	DQ CEP	20 56 23.992	+55 17 34.90		+0.0023	+0.021	7.31	4					F0	4	33026	V
3985	AA CET	01 56 40.618	-23 09 44.85		+0.0072	+0.058	7.31	4					F2	6	167451	DV
3986	12 B AGR	21 01 25.954	-06 01 22.00		-0.0000	+0.015	7.31	4					A3	7	145064	V
3987	DG ERI	04 18 25.810	-16 56 55.91		-0.0004	-0.037	7.32	4					MSII	4	149559	
3988	25 HYA	09 15 04.738	-11 45 03.66		-0.0027	-0.046	7.32	4					K0	4	155064	
3989	20 SEX	10 11 15.122	-07 08 09.60		-0.0129	+0.015	7.32	4					F8	4	137424	
3990	95 PSC	01 25 03.867	+05 05 44.34		-0.0014	-0.128	7.33	4					G0	4	109905	
3991	11 LU GEM	06 16 16.633	+23 29 27.35		+0.0001	-0.007	7.33	4					B0	4	78222	V
3992	BL TEL	19 02 43.938	-51 29 42.18		+0.0024	+0.005	7.33	4					F8	4	245923	V
3993	18 CVN	13 09 12.571	+41 03 28.17		-0.0033	-0.013	7.34	1	7.179	1	6.529	1	K0	4	44499	
3994	-B- 18 CAR	08 55 50.184	-59 01 57.65		-0.0006	+0.015	7.349	1					B8	4	236440	
3995	78 CNC	09 06 14.228	+17 40 24.18		-0.0031	-0.036	7.35	4					K0	4	98389	
3996	THE- 1 PHE	23 36 46.737	-46 54 54.72		+0.0010	+0.053	7.35	4						4	231718	
3997	87 AGR	23 04 35.742	-07 57 52.95		+0.0010	-0.050	7.35	4					A0	4	146515	
3998	VW UMA	10 55 37.999	+70 15 25.50		+0.0057	-0.021	7.37	5					M2	7	7250	V
3999	ZZ CAM	04 13 15.861	+62 13 26.91		-0.0040	+0.007	7.37	4					MA	4	13084	V
4000	30 B ARI	02 34 04.321	+24 25 54.18		+0.0105	+0.005	7.37						DF6		75470	D

TABLE 5 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN C T. NO.	STAR PROP.	S N
4001	Z	VUL	19 19 35.302	+25 28 44.04	+0.0004	-0.000	7.38	7					B4V+A2-3I	7	37113	V	
4002	R	AND	00 21 23.025	+38 18 02.28	-0.0007	-0.019	7.39	2	9.36	2	10.61	2	S6-6F		53860	V	
4003	V3790	SGR	19 30 28.164	-16 43 06.33	+0.0013	-0.019	7.4	6					M2		162748	V	
4004	W	HER	16 33 26.023	+37 26 48.02	-0.0025	+0.003	7.4	4					M3E		65409	V	
4005	R	TAU	04 25 33.463	+10 03 08.88	+0.0011	-0.001	7.4	4					M6F		63940	V	
4006	T	ERI	03 53 05.584	-24 10 40.65	+0.0030	-0.007	7.4	4					M4F		168950	V	
4007	T	ARI	02 45 32.038	+17 18 07.17	-0.0026	-0.002	7.4	4					M6		93115	V	
4008	TU	GEM	06 07 46.805	+26 01 34.74	+0.0006	-0.007	7.4	4					M4		78066	V	
4009	b	UMI	14 45 34.278	+72 10 28.52	-0.0081	+0.024	7.40	4					A5		8081	V	
4010	Y	BOO	14 19 41.776	+20 01 59.36	-0.0011	-0.032	7.4	4					A0		83308	V	
4011	IX	CAR	10 48 27.507	-59 43 02.01	-0.0007	-0.014	7.4	6					M0		238523	V	
4012	V	CAR	08 27 42.525	-59 57 17.92	-0.0004	-0.014	7.4	4	8.110	7			M5		236021	V	
4013	EK	CEP	21 40 29.824	+69 27 50.02	+0.0015	-0.015	7.4	6					A0		19585	V	
4014	29 DX	B AQR	21 59 42.278	-17 12 24.16	+0.0010	+0.002	7.4	4							164829	V	
4015	S	PHE	23 56 29.695	-56 51 13.23	-0.0012	+0.005	7.4	4					M3F		248090	V	
4016	R	CYN	13 46 48.498	+39 47 26.61	+0.0017	-0.006	7.4	4					M46		63763	V	
4017	RZ	PUP	07 43 24.713	-39 43 34.98	-0.0004	+0.006	7.41	4					K2		198396	V	
4018	V 393	SCO	17 45 27.029	-35 02 28.83	+0.0010	-0.002	7.42	5					B9		209291	V	
4019	WY	GEM	06 08 53.910	+23 13 10.94	+0.0005	-0.001	7.43	5					M2IABEP+B		78094	V	
4020	EO	AUR	05 14 58.568	+36 34 46.84	-0.0011	-0.024	7.44	4					B5		57857	V	
4021	39	PSC	00 15 14.051	+16 03 13.73	+0.0152	-0.019	7.44	4					F5		91825	V	
4022	EG	AND	00 41 52.688	+40 24 22.49	+0.0009	-0.004	7.46	4					GM2E		36618	V	
4023	11	PSA	21 56 43.073	-27 52 12.76	+0.0029	+0.002	7.46	4					F0		190800	V	
4024	20	UMA	09 16 40.917	+59 59 35.56	+0.0048	-0.020	7.46	4					K0		27213	V	
4025	AB	AUR	04 52 34.347	+30 28 21.61	+0.0006	-0.026	7.46	4					A0		57506	V	
4026	FS	CMA	06 25 59.093	-13 01 11.68	+0.0008	+0.016	7.46	4	7.49	7			B2IVE		151534	V	
4027	V 506	OPH	17 54 24.329	+04 59 30.80	+0.0046	+0.080	7.46	5					F4V		122946	V	
4028	AW	PEG	21 50 02.665	+23 46 38.19	-0.0003	-0.003	7.48	4					A2		90061	V	
4029	51	LMI	11 02 35.538	+25 28 21.80	-0.0296	-0.072	7.49	4					G0		81657	V	
4030	V	CYN	13 17 17.087	+45 47 22.43	-0.0047	-0.002	7.5	6					M4E		44564	V	
4031	66	VEL	09 06 39.122	-51 13 59.96	-0.0008	-0.007	7.5	6	8.56	7			G5		236640	V	
4032	V	VEL	09 20 45.402	-55 44 47.01	+0.0010	-0.025	7.5	4	8.00	7			G5		236893	V	
4033	GL	VEL	09 25 06.355	-53 17 49.95	-0.0015	+0.008	7.5	6					MB		236983	V	
4034	AP	PUP	07 56 00.958	-39 59 14.80	-0.0033	-0.010	7.50	5					F5?+F8?		198641	V	
4035	W	PUP	07 44 17.745	-42 04 21.62	-0.0007	+0.002	7.5	7					M3E		218969	V	
4036	FK	HYA	08 22 02.251	-08 21 27.36	-0.0021	+0.016	7.5	6					MR		135876	V	
4037	RZ	VEL	08 35 17.673	-43 56 21.35	-0.0018	+0.002	7.5	4	8.25	7			K0		220186	V	
4038	DM	CEP	22 07 23.162	+72 31 23.96	-0.0049	+0.020	7.5	6					MB		10258	V	
4039	ER	VUL	21 00 16.429	+27 36 33.35	+0.0062	+0.007	7.5	6					G0		89396	V	
4040	DY	VUL	21 01 16.739	+23 47 50.96	-0.0002	-0.013	7.5	6					MB		89414	V	
4041	51	CAS	02 01 25.450	+74 20 41.10	-0.0006	-0.011	7.50	4					A0		4570	V	
4042	37	PSC	00 14 10.720	+13 38 20.97	+0.0024	+0.007	7.50	4					A3		91812	V	
4043	R	PHE	23 53 52.010	-50 03 55.02	-0.0030	-0.004	7.5	7					M3F		248066	V	
4044	RY	SCO	17 47 34.128	-33 41 31.50	+0.0022	+0.025	7.5	4	8.70	7			G5		209340	V	
4045	V 533	OPH	17 50 26.648	-02 34 07.45	-0.0042	-0.050	7.5	6					MC		141939	V	
4046	RS	HER	17 19 36.525	+22 58 06.93	-0.0012	+0.003	7.5	4					M5E		85031	V	
4047	V 535	ARA	17 33 50.722	-56 47 28.93	-0.0070	-0.033	7.5	6					A3		244895	V	
4048	AH	DRA	16 47 23.997	+57 53 59.21	-0.0017	-0.012	7.5	6					M5		30107	V	
4049	15	HER	16 13 38.386	+11 32 52.74	-0.0030	+0.042	7.50	4					K0		102046	V	
4050	RT	VUL	19 09 21.191	+22 17 55.73	-0.0006	-0.019	7.5	7					B8		86909	V	

TABLE 5 CONTINUED
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4051	RX	CYG	20 09 17.740	+47 39 49.46	-0.0018	+0.015	7.5	4					F3	4	09282	V	
4052	CT	DEL	20 27 01.824	+09 43 48.97	-0.0015	-0.015	7.5	6					M5	4	125861	V	
4053	S	ORI	05 26 32.676	-04 43 51.68	+0.0029	+0.005	7.5	4					M7F	4	132153	V	
4054	Z	CAE	04 51 01.268	-43 08 34.38	+0.0021	+0.058	7.5	6					VA	4	217051	V	
4055	T	LEP	05 02 43.172	-21 58 18.75	-0.0005	-0.035	7.5	4					M7F	4	170041	V	
4056	V 505	MON	06 43 13.368	+02 33 09.96	+0.0002	-0.019	7.5	6					B5	6	114378	V	
4057	V 523	MON	06 55 43.603	-08 57 32.47	-0.0006	+0.022	7.5	6					MR	6	133965	V	
4058	SX	PHE	23 43 54.191	-41 50 51.87	+0.0235	-0.852	7.51	4					AN	4	231773	V	
4059	11	CET	00 27 21.267	-01 23 34.33	+0.0102	-0.073	7.52	4					FN	4	128789	V	
4060	TT	PSA	22 00 22.687	-31 41 14.15	-0.0006	-0.017	7.52	5	9.00	7	10.23	7	M7III	7	213500	V	
4061	HY	HYA	11 12 10.279	-25 48 07.64	+0.0029	-0.014	7.53	4					MR	6	179679	V	
4062	AG	CET	00 25 26.277	-11 56 06.60	+0.0026	-0.011	7.54	4	8.96	7			M3	6	147280	V	
4063	V 398	LYR	19 06 31.368	+39 04 27.22	-0.0001	+0.011	7.55	4					M6	7	67859	V	
4064	RS	PUP	08 11 08.975	-34 25 35.61	-0.0025	+0.020	7.59	7					FR-K5	7	198944	V	
4065	26	LEO	09 55 28.730	+15 27 38.33	-0.0027	-0.019	7.6	4					G5	4	98874	V	
4066	HY	UMA	12 18 03.991	+61 35 13.27	-0.0061	-0.016	7.6	6					M2-IIIIF	7	15775	V	
4067	V 436	CAS	23 30 26.804	+57 37 45.85	+0.0015	-0.001	7.6	6	7.880	7			A0	6	35532	V	
4068	V 393	CAS	01 58 27.104	+71 03 26.10	+0.0082	+0.031	7.6	6					MA	6	4557	V	
4069	KK	PER	02 06 48.449	+56 19 24.78	+0.0005	+0.023	7.6	6					K5	6	22904	V	
4070	RX	CEP	00 45 54.184	+81 41 42.37	-0.0018	-0.001	7.6	6					G5	6	130	V	
4071	KZ	PAV	20 53 50.503	-70 36 57.93	+0.0022	+0.020	7.6	6					F2	6	257869	V	
4072	V1425	CYG	21 09 32.901	+55 07 36.55	-0.0008	+0.005	7.6	5					BR	6	33106	V	
4073	S	LAC	22 26 49.375	+40 03 34.34	+0.0030	+0.022	7.6	4					M5E	4	52048	V	
4074	AG	PEG	21 48 36.185	+12 23 27.35	+0.0002	+0.002	7.6	5					WN6+V1-M3I	7	107476	V	
4075	94	B AQR	23 16 28.764	-13 43 38.44	+0.0210	-0.088	7.6						K2V	4	165624	V	
4076	AR	CEP	22 52 38.324	+84 46 48.96	+0.0216	+0.018	7.60	4					MR	4	3809	V	
4077	YZ	SGR	18 46 35.107	-16 46 51.54	-0.0018	-0.009	7.6	6					G0-G7	7	161870	V	
4078	BB	SJR	18 48 01.973	-20 21 18.67	+0.0011	-0.028	7.6	4					G0	4	187340	V	
4079	R	DEL	20 12 30.219	+08 56 08.76	-0.0010	-0.025	7.6	4					M5E	4	125610	V	
4080	BF	OPH	17 02 59.294	-26 30 49.30	+0.0000	+0.008	7.6	6	8.3	7			F5V	4	185020	V	
4081	RW	ARA	17 30 32.762	-57 06 50.86	+0.0011	+0.013	7.6	5					AN	4	244859	V	
4082	U	CAM	03 37 29.094	+62 29 18.79	+0.0034	+0.016	7.6	4					NR	4	12870	V	
4083	W	PIC	05 41 50.156	-46 28 30.99	-0.0013	+0.008	7.6	4					N ?	4	217489	V	
4084	SW	CRB	15 38 55.460	+38 52 41.93	+0.0012	+0.002	7.6	6					K5	6	64844	V	
4085	S	SCP	15 19 18.973	+14 29 35.00	+0.0002	-0.001	7.6	4					M5E	4	101503	V	
4086	GH	LUP	15 20 56.507	-52 40 38.86	-0.0005	+0.004	7.6	6					G5	6	242485	V	
4087	AA	CAM	07 09 34.134	+68 53 25.18	+0.0036	+0.004	7.6	4					MR	4	14121	V	
4088	RV	MON	06 55 40.722	+06 14 08.25	-0.0018	+0.026	7.6	6					NB	7	114704	V	
4089	R	ANT	10 07 35.813	-37 29 09.78	-0.0012	-0.038	7.61	4					AN	4	201114	V	
4090	48	DRA	18 55 54.222	+57 44 52.65	-0.0049	-0.066	7.62						GK3	4	31284	V	
4091	45	CAM	07 14 52.505	+59 13 03.90	+0.0101	-0.027	7.63	4					FR	4	26269	V	
4092	24	B CYC	08 23 41.815	+24 42 04.08	-0.0032	-0.088	7.64						DF6	6	80185	V	
4093	AM	CET	01 08 48.361	-13 46 08.08	+0.0006	+0.001	7.67	4	9.16	7			MR	6	147656	V	
4094	ETA-2	LUP	15 56 48.448	-38 15 05.34	-0.0027	-0.027	7.69	4							207209	V	
4095	V 566	HER	18 06 16.706	+41 42 37.55	+0.0007	-0.045	7.7	6					M0	6	47242	V	
4096	IQ	HER	18 15 42.636	+17 57 36.90	+0.0011	+0.037	7.7	6					M4	7	103576	V	
4097	TX	SCO	17 51 55.891	-34 13 39.66	-0.0015	-0.007	7.7	5					A2N	7	209460	V	
4098	V 449	CYG	19 51 26.823	+33 49 07.16	-0.0027	+0.029	7.7	6					M3	7	69031	V	
4099	W	AQL	19 12 41.684	-07 08 08.41	+0.0020	+0.008	7.7	4					SE	4	143184	V	
4100	TT	AQL	19 05 41.394	+01 13 06.96	+0.0003	+0.009	7.7	4	8.660	7			G5	4	124305	V	

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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	SAN C.T.NO.	STAR PROB.	U N
4101	U	CXB	15 16 08.892	+31 49 43.65	-0.0023	-0.011	7.7	4					HA	64612	V	
4102	Y	CEN	14 28 01.653	-29 52 34.48	-0.0012	-0.028	7.7	4					MC	19261A	V	
4103	V 383	PER	03 03 26.431	+33 25 58.11	+0.0011	-0.009	7.7	6	7.69	7			ROV	5615A	V	
4104	YZ	PER	02 34 46.856	+56 49 49.37	-0.0002	+0.013	7.7	6					M2	2348A	V	
4105	IM	AUR	05 11 47.293	+46 21 00.52	-0.0033	+0.005	7.7	5					B9	40167	V	
4106	AC	SCL	00 53 52.554	-25 49 26.76	+0.0003	-0.031	7.7	6	9.30	7	11.18	7	M2	166602	V	
4107	SU	PER	02 16 35.127	+56 22 35.40	+0.0002	+0.012	7.7	6					M3.5 STAR	23250	V	
4108	V 357	PER	02 13 27.250	+56 29 15.68	-0.0048	+0.021	7.7	6	7.91	7			B2IA	23117	V	
4109	TV	CAS	00 16 36.002	+58 51 42.03	+0.0027	+0.008	7.7	6					R9	21206	V	
4110	CW	CEP	23 02 01.053	+63 07 37.43	-0.0001	-0.008	7.7	5	8.110	7			B5	20401	V	
4111	T	TUC	22 37 16.783	-61 48 53.94	+0.0001	-0.022	7.7	7					MD	255200	V	
4112	EI	CEP	21 28 42.578	+76 11 02.27	-0.0012	-0.008	7.7	6					FN	10061	V	
4113	CE	CYG	21 17 08.779	+46 47 44.58	+0.0038	+0.004	7.7	6					K2	50703	V	
4114	21	UMA	09 22 06.191	+54 13 56.75	-0.0031	-0.025	7.7	4					A2	27249	D	
4115	IL	HYA	09 22 33.861	-23 36 35.31	-0.0040	-0.044	7.7	6	8.70	7	9.34	7	K2IV	177412	V	
4116	BN	GEM	07 34 13.366	+17 01 01.52	-0.0005	-0.010	7.7	5					ORVPE	07083	V	
4117	T	VEL	08 36 03.417	-47 11 10.22	+0.0037	-0.011	7.7	4	8.44	7			G5	22020A	V	
4118	RV	HYA	08 37 18.542	-09 24 32.87	-0.0002	-0.016	7.7	5					M5II	136144	V	
4119	U	VIR	12 48 33.491	+05 49 30.60	-0.0000	+0.007	7.7	4					M4E	119627	V	
4120	EF	MUS	12 51 02.557	-69 45 55.03	+0.0006	+0.007	7.7	6						252081	V	
4121	V	UMI	13 37 46.654	+74 33 48.46	+0.0019	+0.008	7.7	6					M4	7859	V	
4122	SS	HYA	13 27 44.798	-23 23 31.30	+0.0002	-0.042	7.71	5					B9	181708	DV	
4123	VY	CAR	10 42 33.272	-57 18 08.35	-0.0004	-0.004	7.71	7	8.510	7			G5	238416	V	
4124	ER	CAR	11 07 32.017	-58 33 59.52	+0.0001	-0.017	7.72	4	8.400	7			F8	238825	V	
4125	N- 1	CEN	13 48 48.655	-52 33 45.85	-0.0058	-0.030	7.72	4					A3	241238	D	
4126	ER	AUR	23 02 44.865	-22 45 25.15	+0.0032	+0.005	7.72	5	8.74	7			M3	101638	V	
4127	RY	PUP	07 29 11.401	-34 52 38.97	-0.0003	+0.005	7.72	4					K5	198072	V	
4128	V 759	CEN	14 07 28.904	-47 31 59.90	-0.0067	-0.016	7.73	4					F8	224743	V	
4129	A	OCT	07 12 46.518	-88 41 00.92	-0.0122	+0.015	7.75	4					A0	258465	V	
4130	KZ	CEP	22 54 33.138	+62 36 04.68	-0.0001	+0.006	7.76	7	8.22	7			B0V	20332	V	
4131	RX	CRT	11 15 18.465	-21 52 19.22	-0.0019	-0.028	7.76	5					M3	179746	V	
4132	V 354	PER	02 12 17.719	+55 45 51.38	+0.0001	+0.001	7.77	5	7.93	7			B0III	23099	V	
4133	20	B GEM	06 29 22.716	+17 48 59.94	+0.0030	+0.033	7.78	4					F8	05704	D	
4134	10	BET- 2	18 48 15.800	+33 17 33.28	-0.0003	-0.004	7.78	4					B7V	67453	D	
4135	AC	HER	18 28 09.034	+21 49 53.11	-0.0005	+0.000	7.8	5					F8	86134	V	
4136	V1943	SGR	20 03 51.926	-27 22 09.20	+0.0026	-0.063	7.8	6					M9	148923	V	
4137	V	AUR	20 44 17.727	+02 15 11.94	+0.0009	+0.001	7.8	4					M6E	126200	V	
4138	T	LYR	18 30 36.185	+36 57 38.89	+0.0006	+0.010	7.8	4					N3	67087	V	
4139	TW	DRA	15 33 07.061	+64 04 22.49	+0.0009	+0.020	7.8	5					A5+K0III	17677	DV	
4140	MZ	AUR	05 17 10.476	+36 34 57.40	-0.0002	+0.004	7.8	6					B2	57915	V	
4141	CO	AUR	05 57 07.452	+35 18 38.60	-0.0005	-0.011	7.8	6					F5	58649	V	
4142	S	CAM	05 35 37.477	+68 46 18.94	-0.0015	-0.036	7.8	4					R8	13563	V	
4143	RX	AUR	04 57 55.452	+39 53 17.19	+0.0006	+0.009	7.8	6	8.580	7			G5	57573	V	
4144	CW	ERI	03 01 41.412	-17 55 56.91	+0.0041	-0.021	7.8	6					F0	148743	V	
4145	V 482	CAS	02 36 53.748	+61 04 06.36	+0.0015	+0.028	7.8	6					O9.5III	12383	DV	
4146	FZ	PER	02 17 27.062	+56 55 47.62	+0.0013	+0.013	7.8	6					K5	23217	V	
4147	BR	ERI	03 46 20.841	-07 10 00.14	+0.0008	-0.025	7.8	6					MB	130743	V	
4148	IM	CAS	01 28 37.780	+62 04 19.60	-0.0042	+0.016	7.8	6						11802	V	
4149	IZ	PER	01 28 56.492	+53 45 43.43	+0.0012	+0.005	7.8	6					B8	22364	V	
4150	AC	CET	00 08 25.192	-18 51 01.90	-0.0012	-0.020	7.8	6	9.22	7			M5III	147130	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B I	JV MAG.	U N	SPECTRAL CLASS	S I	SAC CAT. NO.	STAR PROP.	G I
4151	T GRU	22 22 46.207	-37 49 23.55		-0.0046	-0.003	7.8	7					M		213810	V	
4152	BET- 2 PSA	22 28 40.358	-32 36 41.57		+0.0040	-0.022	7.8	4							213804	V	
4153	A3 CYG	21 34 24.512	+31 52 38.99		+0.0024	+0.019	7.8	6					M4 IIIF	7	71513	V	
4154	BO CAR	10 43 53.190	-59 13 30.92		-0.0033	-0.014	7.8	6					M0	6	218447	V	
4155	UY VIR	12 59 13.446	-19 30 19.44		+0.0006	-0.050	7.8	6					A3	6	157664	V	
4156	XZ CEN	12 21 33.478	-35 21 23.45		-0.0008	-0.035	7.8	7					MC	6	203430	V	
4157	R PYX	08 43 23.798	-28 01 04.14		-0.0024	-0.002	7.8	4							176430	V	
4158	S VEL	09 31 19.973	-44 59 10.84		-0.0041	+0.017	7.8	4					A0	4	221279	V	
4159	CM VEL	10 05 41.390	-53 00 54.89		-0.0016	-0.015	7.8	6					MA	6	237711	V	
4160	TW GEM	07 04 17.604	+22 35 15.40		-0.0004	-0.015	7.8	5					M0 III	7	79067	V	
4161	VZ CNC	08 38 09.536	+10 00 10.39		-0.0023	-0.026	7.83	5	8.030	7			F0	5	98035	V	
4162	70 V 380 PSC	00 59 30.651	+07 40 17.23		+0.0012	+0.039	7.84	4					G5	4	109614	V	
4163	V 381 PER	03 59 51.752	+37 55 02.38		-0.0019	+0.005	7.87	4	8.01	7			A3P	7	56925	V	
4164	CEN	13 47 22.494	-57 19 58.44		-0.0039	+0.006	7.88	7	8.500	7			G5P	6	241219	V	
4165	RY VEL	10 18 48.110	-55 04 08.79		+0.0007	+0.011	7.89	7	8.97	7			K2	6	237949	V	
4166	W UMA	09 40 15.405	+56 10 56.26		+0.0030	-0.029	7.9	6					G0	6	27364	V	
4167	Iw CAR	09 25 42.951	-63 24 43.29		-0.0009	-0.005	7.9	7							250584	V	
4168	Y UMA	12 38 04.415	+56 07 14.83		-0.0003	-0.004	7.9	6					M7 II-III?	7	28471	V	
4169	TT CVN	12 57 02.068	+38 05 14.10		-0.0022	-0.029	7.9	6					NA	6	63280	V	
4170	S CVN	13 10 48.487	+37 38 29.78		-0.0017	-0.027	7.9	6					M0	6	63409	V	
4171	83 SW VIR	13 11 29.747	-02 32 32.59		-0.0042	+0.004	7.9	6					M7 III	7	139236	V	
4172	B LEO	11 24 14.428	+03 16 43.06		-0.0484	+0.169	7.9	4	7.92	7			K0	4	118865	D	
4173	MX CEP	22 50 40.183	+58 32 25.27		+0.0048	+0.013	7.9	6					A2P	7	34915	V	
4174	DZ AQR	22 19 04.311	-07 51 38.35		-0.0003	-0.013	7.9	6					MB	6	146043	V	
4175	CX LAC	22 05 38.813	+39 51 43.96		+0.0001	+0.009	7.9	6					K5	6	72053	V	
4176	IQ PER	03 56 06.744	+48 00 36.80		+0.0007	+0.009	7.9	6					B9	7	39231	V	
4177	R PER	03 26 51.747	+35 30 01.93		+0.0004	-0.008	7.9	4					M2F	4	56406	V	
4178	YY PER	04 32 53.355	+44 52 36.08		+0.0002	-0.002	7.9	6							39636	V	
4179	DH ERI	04 21 38.850	-27 56 41.89		+0.0003	+0.041	7.9	6					M3	6	169405	V	
4180	BM ERI	04 11 06.901	-10 30 46.35		+0.0007	-0.027	7.9	6					M3	6	149466	V	
4181	AV CIR	14 46 09.329	-67 17 27.57		+0.0053	-0.019	7.9	6							252908	V	
4182	S BOO	14 21 12.394	+54 02 12.41		+0.0009	-0.031	7.9	4					M4E	4	29125	V	
4183	BW DRA	15 10 50.377	+62 02 48.55		-0.0247	+0.088	7.9	6					G0	6	16635	V	
4184	FV SCO	17 10 28.991	-32 47 42.14		-0.0009	-0.033	7.9	7					B9	6	208558	V	
4185	V 727 SCO	17 12 14.939	-33 02 56.39		-0.0021	-0.063	7.9	6					MA	6	208503	V	
4186	RZ SCT	18 23 48.968	-09 13 56.04		+0.0008	-0.005	7.9	6					B3IP	7	142317	V	
4187	CY CYG	20 45 08.223	+45 52 03.19		-0.0009	+0.005	7.9	6					PEC	6	50053	V	
4188	V 525 SGR	19 04 02.445	-30 14 19.31		+0.0026	+0.041	7.9	7					A2	6	210944	V	
4189	V 496 AQL	19 05 38.589	-07 31 04.34		+0.0008	-0.002	7.9	6	8.960	7			G5	6	143063	V	
4190	AE PHE	01 30 29.024	-49 47 01.40		+0.0169	-0.043	7.92	4					G0	6	215545	V	
4191	BET- 1B SGR	19 19 05.399	-44 33 10.21		+0.0006	-0.005	7.928	2	7.848	2	7.528	2	A3	7	229647	D	135
4192	VV SCL	01 13 47.545	-34 24 45.78		-0.0001	-0.022	7.93	4					A5P	7	193014	V	
4193	Y CAR	10 31 17.716	-58 14 25.44		+0.0011	-0.005	7.94	7	8.340	7			F5	6	238178	V	
4194	71 CNC	09 02 57.300	+17 35 27.11		-0.0018	-0.007	7.95	4					A2	4	98358	V	
4195	AW PER	04 44 25.408	+36 38 04.58		+0.0014	-0.007	7.95	5	8.84	7			F6-G1	7	57431	V	
4196	IR CEP	21 56 19.493	+60 46 46.43		-0.0017	-0.008	7.96	7	8.86	7			G0	6	19765	V	
4197	FI SCP	15 11 47.691	+00 33 17.46		-0.0014	-0.002	7.99	4	7.99	7			A0P	6	120910	V	
4198	Y SCP	15 11 26.210	-01 42 02.44		-0.0026	-0.009	8.0	4					M5E	4	140398	V	
4199	S L1B	15 18 31.171	-20 12 32.31		-0.0038	+0.011	8.0	4					M2E	4	183401	V	
4200	RW BOO	14 39 06.201	+31 47 06.62		-0.0002	+0.001	8.0	7					M5	7	64273	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G I
4201	BQ ORI	05 54 05.549	+22 50 02.01		-0.0014	-0.004	8.0	6					M4IIIIE	7	77756	V	
4202	V 352 ORI	05 59 15.874	-02 21 10.72		+0.0005	+0.001	8.0	6					MC	6	132754	V	
4203	KS PER	04 45 20.088	+43 11 18.97		+0.0059	-0.003	8.0	6					G0P	6	79773	V	
4204	V ERI	04 02 01.573	-15 51 39.31		+0.0009	-0.028	8.0	6					M6	6	149350	V	
4205	KX ORI	05 32 36.547	-04 45 48.56		+0.0003	-0.000	8.0	5					R3V	7	132302	V	
4206	RX CAM	04 00 49.264	+58 31 25.19		-0.0010	-0.006	8.0	6	9.030	7			G2I9-K2	7	24302	V	
4207	RZ FOR	03 30 18.612	-25 49 35.35		-0.0016	-0.004	8.0	6	9.49	7			M5	6	168619	V	
4208	AT CET	02 39 41.722	-22 49 06.26		+0.0029	-0.023	8.0	6					V5	6	167977	V	
4209	RR ERI	02 49 47.096	-08 28 16.65		-0.0004	-0.018	8.0	6					M5III	7	130157	V	
4210	AS CET	02 15 44.303	-14 21 50.22		+0.0005	+0.041	8.0	6	9.57	7			M2	6	148310	V	
4211	TT CYG	19 39 01.902	+32 30 02.21		-0.0002	+0.002	8.0	6					M3E	7	68698	V	
4212	V 451 OPH	18 26 52.938	+10 51 28.52		+0.0001	-0.009	8.0	6					A0	6	137766	V	
4213	V 616 ARA	17 03 19.261	-46 56 13.24		+0.0006	-0.003	8.0	6					B5	6	227631	V	
4214	U TRA	16 02 51.183	-62 46 36.64		+0.0045	-0.019	8.0	4	8.79	7			F5	6	253430	V	
4215	R HER	16 03 57.571	+18 30 14.37		+0.0021	-0.013	8.0	4					M6C	4	101927	V	
4216	CM LAC	21 58 03.559	+44 18 42.36		-0.0001	+0.034	8.0	6	8.160	7			A2	6	51531	V	
4217	RS GRU	21 39 48.169	-48 25 06.49		-0.0055	-0.024	8.0	6					A5	6	230806	V	
4218	SW CEP	21 24 32.326	+62 21 24.91		-0.0020	+0.010	8.0	6					MC	6	10401	V	
4219	AZ CYG	20 56 15.901	+46 16 20.95		+0.0015	-0.002	8.0	6						6	50296	V	
4220	AK IND	21 05 49.623	-46 58 16.04		+0.0018	+0.009	8.0	6					VB	6	270547	V	
4221	T PSA	22 23 20.818	-29 20 11.39		+0.0032	-0.019	8.0	6					F2	6	191138	V	
4222	S AUR	22 54 25.871	-20 36 38.97		+0.0014	-0.040	8.0	4					M4E	4	101516	V	
4223	EE AUR	22 31 59.213	-20 07 05.53		+0.0035	+0.031	8.0	6					F0	6	191236	V	
4224	XZ CEP	22 30 50.545	+66 53 33.88		-0.0009	-0.003	8.0	6						7	20141	V	
4225	DM PER	02 22 25.959	+55 52 40.13		+0.0004	+0.004	8.0	5					B6V	7	23321	V	
4226	V 391 CAS	01 52 29.590	+69 57 34.28		-0.0004	+0.006	8.0	6					K5	6	12043	V	
4227	XX PER	01 59 47.167	+54 59 32.35		+0.0004	+0.005	8.0	6					M2	6	22875	V	
4228	U PYX	08 27 49.133	-30 09 25.85		-0.0017	+0.009	8.0	6					K5	6	199204	V	
4229	X CAR	06 30 11.601	-59 03 25.26		-0.0028	-0.012	8.0	7	8.30	7			A0	6	236056	V	
4230	BQ CNC	08 37 34.163	+20 21 36.68		-0.0021	-0.014	8.0	6					F2VN	7	80343	V	
4231	BN CNC	08 37 47.647	+19 24 24.21		-0.0021	-0.014	8.0	6					A5	6	98027	V	
4232	XX CNC	08 40 24.319	+20 46 51.97		-0.0002	-0.014	8.0	6					M3	6	80379	V	
4233	S CNC	08 41 04.901	+19 12 55.57		-0.0013	+0.003	8.0	4					A0	4	98075	V	
4234	UX MON	07 56 50.192	-07 22 03.86		-0.0017	+0.001	8.0	6					A3	6	135333	V	
4235	X PUP	07 30 36.786	-20 48 03.32		+0.0013	+0.024	8.0	4					K0	4	173973	V	
4236	T GEM	07 46 18.127	+23 51 38.78		-0.0007	+0.007	8.0	4					SE	4	79717	V	
4237	X HYA	09 33 06.923	-14 28 03.52		-0.0066	-0.056	8.0	4					M7E	4	155310	V	
4238	KS LMI	09 25 29.782	+36 22 44.93		+0.0008	+0.010	8.0	6					M8	6	61508	V	
4239	T CNC	08 53 48.912	+20 02 29.76		-0.0009	-0.007	8.0	4					N3	4	80594	V	
4240	HZ HYA	11 23 51.776	-25 28 48.20		+0.0002	-0.023	8.0	6					M3	6	179842	V	
4241	HX HYA	10 34 44.502	-23 37 59.16		-0.0007	-0.032	8.0	6					M3	6	179035	V	
4242	LZ CEN	11 48 04.320	-60 30 56.20		-0.0015	-0.015	8.0	7					B5	6	251606	V	
4243	TY VIR	11 49 16.770	-05 29 00.24		-0.0017	-0.046	8.0	6	9.27	7			K2	6	138451	V	
4244	FK COM	13 28 24.727	+24 29 25.35		-0.0046	-0.022	8.0	6					G5	6	82867	OV	
4245	RY VIR	13 39 00.650	-18 53 02.93		-0.0035	+0.005	8.0	6					M2	6	158092	V	
4246	V VIR	13 25 13.084	-02 54 50.81		+0.0005	-0.001	8.0	4					M3E	4	139350	V	
4247	YZ CEN	12 51 22.423	+43 36 39.45		+0.0021	-0.014	8.0	6					K0	6	223741	V	
4248	NG GEM	07 28 52.664	+24 36 37.75		+0.0004	-0.001	8.0	6					C1-C6.5, J	7	79474	V	
4249	AW CAM	06 41 58.237	+69 40 59.69		-0.0043	+0.022	8.0	6	8.06	7			A0	7	13951	V	
4250	RW TAU	04 00 49.596	+27 59 22.38		+0.0024	-0.022	8.03	7					A0	6	76418	V	

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STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	P N	V MAG.	U N	SPECTRAL CLASS	S N	SAC CAT. NO.	STAR PROP.	C N
4251	J	LIB	14 36 28.403	-24 48 47.93	+0.0021	-0.025	8.09	4					F0	1	1a2735		
4252	AT	PUP	08 10 30.774	-36 47 34.27	-0.0014	-0.003	8.09	7					F5	6	1a8920		
4253	RR	CAR	09 56 27.374	-58 37 13.96	-0.0020	+0.013	8.1	4					M6	4	237540	V	
4254	U	VEL	09 31 20.182	-45 17 33.97	-0.0021	-0.012	8.1	4					MA	4	221290	V	
4255	GG	VEL	09 10 58.303	-43 16 52.18	-0.0010	-0.007	8.1	6	9.76	7			A0	6	220955	V	
4256	GI	VEL	09 23 10.048	-45 09 35.20	-0.0017	-0.019	8.1	6					M2	6	221144	V	
4257	S	CEN	12 21 52.330	-49 09 46.52	-0.0017	+0.004	8.1	5					R5	5	223414	V	
4258	100	PSC	01 32 13.028	+12 18 15.80	+0.0009	+0.001	8.1	4					A7	4	92522	D	
4259	ZZ	SCL	00 33 20.929	-25 09 11.15	+0.0009	+0.018	8.1	6	9.75	7	11.51	7	M3	6	166303	V	
4260	T	AND	00 19 46.432	+26 43 10.31	+0.0036	+0.053	8.1	4					M3E	4	73930	V	
4261	YY	SCL	00 05 56.348	-26 15 23.89	+0.0002	+0.008	8.1	6	9.68	7	11.28	7	M0	6	166074	V	
4262	SZ	PSC	23 10 50.564	+02 24 10.02	-0.0002	+0.041	8.1	6					G5	6	128041	V	
4263	GT	CEP	22 55 59.129	+68 08 22.19	-0.0012	+0.012	8.1	6					PA	6	20345	V	
4264	ST	CEP	22 28 16.470	+56 44 38.89	+0.0002	+0.011	8.1	6					MOIP	7	34520	V	
4265	S	EGU	20 54 43.196	+04 53 13.37	+0.0004	-0.003	8.1	6					A0	6	126300	V	
4266	RT	CEN	13 45 24.857	-36 36 50.02	+0.0020	-0.049	8.1	7							204857	V	
4267	T	CAP	21 19 15.409	-15 22 21.67	+0.0001	-0.012	8.1	4					M2E	4	164343	V	
4268	AT	CIR	13 59 46.603	-66 29 44.79	-0.0029	-0.082	8.1	6							252577	V	
4269	VW	GEM	06 38 54.561	+31 30 13.51	-0.0009	-0.026	8.1	6					C3-0	7	59383	V	
4270	24	TAU	03 44 22.400	+23 57 46.99	+0.0016	-0.044	8.1	4					A0	4	76102		
4271	SX	AJR	05 08 10.225	+42 06 18.86	+0.0013	+0.012	8.1	6					A3	6	40004	V	
4272	RZ	ERI	04 41 24.006	-10 46 29.31	+0.0011	-0.006	8.1	6					A5	6	149847	V	
4273	DF	ERI	04 11 17.765	-36 40 16.30	+0.0026	+0.019	8.1	6					MA	6	194878	V	
4274	AH	SCO	17 08 01.980	-32 15 52.60	-0.0025	-0.037	8.1	7					MO	6	208506	V	
4275	UW	HER	17 12 38.996	+36 25 26.73	+0.0014	-0.009	8.1	6					M5E	7	65885	V	
4276	TZ	HER	16 32 49.873	+38 05 52.93	-0.0002	-0.029	8.1	6					F5	6	65401	V	
4277	TX	HER	17 17 01.642	+41 56 20.67	-0.0013	-0.007	8.1	6					A5	6	46626	V	
4278	F1	VUL	20 46 38.309	+22 48 29.04	+0.0007	-0.013	8.1	6					M3	6	89156	V	
4279	CZ	DEL	20 31 12.721	+09 20 42.38	+0.0010	+0.010	8.1	6					MA	6	125953	V	
4280	AC	CYG	20 11 21.301	+49 17 55.84	+0.0008	+0.026	8.1	6					MC	6	49327	V	
4281	V 444	CYG	20 17 42.589	+38 34 24.38	-0.0007	+0.001	8.1	6					OR	6	69833	V	
4282	V 405	CYG	20 19 48.835	+40 17 12.69	-0.0025	+0.011	8.1	6					MC	6	49517	V	
4283	HS	DEL	20 26 51.231	+16 06 21.71	+0.0033	-0.007	8.1	6					MC	6	106153	V	
4284	HO	TEL	19 48 21.623	-46 59 23.69	-0.0028	-0.013	8.1	6					A2	7	229902	V	
4285	V 350	SGR	18 42 19.087	-20 42 00.89	+0.0061	-0.012	8.1	5					F5-G4	6	187233	V	
4286	SZ	DRA	19 09 51.998	+66 01 06.97	-0.0015	+0.015	8.1	6	8.150	1	7.460	1	MB	6	18194	V	
4287	VY	CMA	07 20 54.603	-25 40 11.90	-0.0026	+0.022	8.18	1					M3CE	1	173501	DV	
4288	CO	CMA	07 11 58.263	-26 01 20.77	-0.0009	+0.014	8.2	6					M3	6	173257	V	
4289	V1125	CYG	19 29 52.865	+31 45 35.97	+0.0003	-0.005	8.2	6					MB	6	68445	V	
4290	V 889	AGL	19 16 34.383	+16 09 27.96	-0.0002	-0.004	8.2	6					A	6	104708	V	
4291	V 805	AGL	19 03 31.107	-11 43 35.61	+0.0044	-0.025	8.2	4					A2	4	162189	V	
4292	HS	HER	18 48 45.932	+24 39 35.75	-0.0007	-0.019	8.2	6					B8	6	86407	V	
4293	V 913	AGL	18 52 07.359	+10 34 07.35	+0.0004	-0.007	8.2	6					MB	6	104242	V	
4294	V	SGR	18 28 27.642	-18 17 55.95	-0.0006	-0.001	8.2	6					F0	6	161563	V	
4295	V 470	CYG	20 17 35.495	+40 43 48.43	+0.0025	+0.022	8.2	6							49467	V	
4296	V1362	CYG	20 01 50.106	+36 17 01.10	+0.0001	-0.003	8.2	6					B2	6	69334	V	
4297	V1162	AGL	19 49 35.212	-11 29 46.22	+0.0013	+0.021	8.2	6					G5	6	163067	V	
4298	DM	DEL	20 37 16.477	+14 15 05.74	-0.0002	-0.028	8.2	6							106356	V	
4299	V 395	CYG	20 07 00.499	+43 54 47.77	+0.0002	-0.010	8.2	6					G0	6	49234	V	
4300	V1042	CYG	20 10 00.785	+36 02 48.80	-0.0000	-0.009	8.2	6					OA	6	69584	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAR PROP.	G N
4301	NQ	HER	18 09 22.063	+18 18 40.98		+0.0015	-0.012	8.2	6				A0	6	103465	V	
4302	V 499	SCO	17 25 45.613	-32 57 54.90		+0.0002	-0.021	8.2	6				B5	6	278865	V	
4303	V 701	SCO	17 31 08.431	-32 28 17.53		-0.0004	-0.012	8.2	7					6	208972	V	
4304	-F- 1	OPH	17 32 13.616	+09 36 27.89		-0.0004	-0.004	8.2	4					6	127525	V	
4305	EW	SCT	18 35 09.418	-06 50 27.71		+0.0004	+0.001	8.2	6				K0	6	142447	V	
4306	WZ	SGR	18 14 02.894	-19 05 41.16		+0.0017	-0.011	8.2	6				G3-K6	7	161257	V	
4307	EG	SCA	18 23 26.492	-01 42 38.90		+0.0004	-0.036	8.2	6				A0	6	142311	V	
4308	V 988	OPH	18 24 23.520	+03 52 56.95		-0.0003	-0.022	8.2	6				MB	6	123489	V	
4309	V 449	HER	16 41 16.464	+48 29 58.02		+0.0000	+0.006	8.2	6				MA	6	46239	V	
4310	RY	CAM	04 26 07.748	+64 20 01.28		+0.0010	-0.025	8.2	6				M3III	7	13165	V	
4311	RV	CAM	04 26 31.896	+57 18 12.68		-0.0001	-0.001	8.2	6				M5	6	24656	V	
4312	UX	AJR	05 12 07.350	+49 29 27.77		-0.0010	-0.012	8.2	6				MA	6	40175	V	
4313	S	FOR	03 44 04.598	-24 32 45.66		+0.0007	+0.004	8.2	6				F8	6	168815	V	
4314	AS	ERI	03 29 54.634	-03 28 52.48		-0.0030	-0.033	8.2	6				A0	6	10554	V	
4315	TW	CAS	02 41 44.362	+65 30 59.47		+0.0034	+0.019	8.2	6				B8	6	12431	V	
4316	W	PER	02 46 55.321	+56 46 37.54		-0.0042	-0.005	8.2	4				M7	4	23647	V	
4317	V 358	PER	02 13 37.852	+56 32 19.17		-0.0015	+0.000	8.2	6	8.20	7		B1IIPE	7	23124	V	
4318	V 593	TAU	05 49 59.183	+26 26 06.90		+0.0008	+0.001	8.2	6				B3	6	77668	V	
4319	AS	CAM	05 24 16.486	+69 27 23.03		+0.0001	+0.027	8.2	5				A0	7	13607	V	
4320	IU	AUR	05 24 32.813	+34 44 30.99		+0.0007	-0.011	8.2	5	8.430	7		B2	7	58059	V	
4321	ES	VIR	14 05 58.503	-08 37 31.27		-0.0013	-0.009	8.2	6				MB	6	139753	V	
4322	UV	BOO	14 20 17.278	+25 46 38.05		-0.0040	-0.029	8.2	5				F5	5	83315	V	
4323	CF	AND	23 01 22.846	+37 35 03.05		+0.0015	-0.002	8.2	6				MC	6	72968	V	
4324	GO	CEP	22 38 18.943	+75 23 47.32		+0.0114	-0.001	8.2	6				A0P	6	10449	V	
4325	S	PSC	01 14 57.368	+08 40 04.87		-0.0014	-0.010	8.2	4				M7E	4	109789	V	
4326	AA	CAS	01 16 18.635	+56 04 00.68		+0.0008	+0.008	8.2	6				M2	6	22182	V	
4327	T	VIR	12 12 02.572	-05 45 28.53		-0.0002	-0.000	8.2	4				M6E	4	138666	V	
4328	RW	HYA	13 31 31.971	-25 07 28.59		-0.0025	+0.014	8.2	6					6	181760	V	
4329	RT	VIR	13 00 05.701	+05 27 15.23		+0.0014	-0.024	8.2	6				MAP	6	119734	V	
4330	BK	VIR	12 27 48.073	+04 41 34.48		-0.0043	-0.021	8.2	6				MC	6	119433	V	
4331	RU	CRT	11 48 33.334	-10 55 46.68		-0.0008	-0.001	8.2	6				M3	6	156937	V	
4332	HW	HYA	10 02 58.705	-21 06 41.97		-0.0015	-0.011	8.2	6				M3	6	178386	V	
4333	HT	CNC	08 55 33.068	+11 02 23.22		-0.0004	-0.030	8.2	6				MA	6	98266	V	
4334	S	B PUP	07 45 36.123	-12 04 05.88		-0.0098	+0.028	8.2	4				DG3	6	153413	V	
4335	X	TRA	15 09 29.113	-69 53 34.63		+0.0017	-0.011	8.2	5				NB	7	253062	V	
4336	RY	LEP	05 46 00.821	-20 02 22.25		-0.0004	+0.040	8.23	4				F0	7	170854	V	
4337	AL	PHE	01 23 05.022	-46 11 11.96		+0.0021	-0.034	8.28	4	9.79	7	11.26	MB	6	215498	V	
4338	V 351	PER	02 05 57.746	+56 45 20.14		-0.0018	+0.016	8.3	6	8.44	7		B1III	7	22971	V	
4339	V	ARI	02 12 18.184	+12 00 24.53		+0.0028	+0.043	8.3	5				NB	5	92853	V	
4340	AK	CET	00 58 00.344	-12 27 52.16		+0.0009	-0.043	8.3	6	9.83	7		M3	6	147564	V	
4341	V 451	CAS	00 49 21.250	+59 27 14.92		+0.0002	+0.004	8.3	6				M2	6	21786	V	
4342	TZ	AND	23 48 21.316	+47 13 47.51		+0.0002	+0.021	8.3	6				M6	7	53416	V	
4343	TU	CAS	00 23 36.678	+51 00 13.47		-0.0005	+0.001	8.3	6	8.600	7		F2	6	21398	V	
4344	SX	LAC	22 53 39.390	+34 55 42.43		-0.0007	-0.003	8.3	6					6	72857	V	
4345	R	LAC	22 41 02.054	+42 06 25.04		-0.0019	-0.013	8.3	4				M5E	4	52298	V	
4346	SZ	CEN	13 47 11.751	-58 15 05.22		-0.0020	-0.049	8.3	7				A2	6	241215	V	
4347	S	GEM	07 40 02.578	+23 34 08.63		-0.0011	-0.003	8.3	4				M4E	4	79635	V	
4348	RT	SEX	10 09 50.954	-10 04 25.97		-0.0019	+0.014	8.3	6				MB	6	155810	V	
4349	HS	HYA	10 22 12.430	-18 50 18.55		-0.0032	-0.041	8.3	6				F5	6	155964	V	
4350	RZ	CHA	10 42 26.855	-81 46 25.97		-0.0056	-0.048	8.3	6				F5	6	258590	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RI. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	R N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4351	KS CVN	13 08 17.856	+36 12 01.14		-0.0048	+0.023	8.3	6					F8	6	43382	V	
4352	AG CRU	12 38 32.500	-59 31 11.45		+0.0002	+0.005	8.3	7	8.860	7			F5	6	240150	V	
4353	HH AUR	05 36 17.907	+29 48 24.68		-0.0023	-0.012	8.3	6					G5	6	77356	V	
4354	SU LYN	06 38 45.743	+55 31 24.87		+0.0011	-0.004	8.3	6					M2	6	25893	V	
4355	RS ORI	06 19 21.995	+14 42 12.05		-0.0015	-0.013	8.3	6	9.1	7			F0	6	95589	V	
4356	RV BOO	14 37 09.314	+32 45 15.25		+0.0019	-0.003	8.3	6					M5E	7	64256	V	
4357	EZ VIR	14 18 17.315	-18 45 49.46		+0.0000	+0.002	8.3	6					M1	6	158504	V	
4358	V 372 ORI	05 32 19.696	-05 36 10.68		-0.0010	-0.041	8.3	6					B9	6	172288	V	
4359	UZ AUR	05 11 41.044	+40 04 35.15		-0.0013	+0.021	8.3	6					MA	6	40163	V	
4360	THE- 1 RET	04 17 06.086	-63 22 32.53		-0.0044	-0.006	8.3	4						6	248985	D	
4361	GN HER	16 30 12.553	+38 57 48.65		+0.0008	-0.002	8.3	6						6	65366	V	
4362	S OPH	16 31 22.388	-17 03 26.57		-0.0007	-0.003	8.3	4						7	159981	V	
4363	RS CRB	15 56 39.081	+36 09 48.48		-0.0054	-0.017	8.3	6					M7	7	64905	V	
4364	BY DRA	18 32 44.726	+51 41 00.56		+0.0197	-0.311	8.3	6					M1	6	31048	V	
4365	SS SCT	18 41 00.748	-07 46 56.37		-0.0013	-0.006	8.3	6	9.12	7			F8P	6	142542	V	
4366	V 551 OPH	17 37 44.233	-27 22 13.89		-0.0029	-0.009	8.3	6					M2	6	185610	V	
4367	V PAV	17 38 59.828	-57 42 05.22		+0.0000	-0.049	8.3	4					NR	4	244964	UV	
4368	V 777 SGR	17 43 18.802	-26 10 55.05		+0.0004	-0.017	8.3	6					K2	6	185724	V	
4369	T DEL	20 43 02.041	+16 12 58.22		-0.0008	+0.020	8.3	4					M4E	4	106456	V	
4370	GO CYG	20 35 23.139	+35 15 39.46		-0.0002	-0.007	8.3	6					A0	6	70279	V	
4371	V 448 CYG	20 04 16.695	+35 14 29.47		+0.0025	+0.005	8.3	6					B3	6	69410	V	
4372	V 453 CYG	20 04 42.139	+35 35 45.06		-0.0003	+0.014	8.3	6						6	69422	V	
4373	DI HER	18 51 21.755	+24 12 53.47		-0.0007	-0.011	8.3	6					A2	6	86544	V	
4374	V3508 SGR	18 28 27.371	-19 11 41.00		-0.0006	+0.024	8.3	6	8.65	7	8.44	7	B6IIIE	7	161562	V	
4375	RY CMA	07 14 16.714	-11 23 50.68		+0.0005	-0.001	8.3	6					K0	6	152649	V	
4376	T PER	02 15 45.586	+58 43 53.52		-0.0041	-0.008	8.34	4					K5	4	23193	V	
4377	TV CET	03 12 00.317	+02 34 09.84		+0.0009	+0.015	8.4	6					F0	6	111048	V	
4378	CU ERI	02 44 34.929	-13 33 00.24		+0.0037	+0.038	8.4	6					G5	6	148600	V	
4379	W TRI	02 38 27.438	+34 18 10.09		+0.0014	+0.005	8.4	6					MB	6	55785	V	
4380	V 534 TAU	03 44 04.104	+24 39 59.30		+0.0023	-0.034	8.4	6	8.76	7	8.88		A9V	7	76194	V	
4381	SV PER	04 46 16.520	+42 12 13.93		+0.0005	+0.011	8.4	6						6	39783	V	
4382	DE ERI	04 08 52.527	-20 10 48.18		-0.0001	+0.002	8.4	6					M2	6	169201	V	
4383	YY ERI	04 09 46.525	-10 35 43.58		-0.0077	-0.122	8.4	6					G5	6	149449	V	
4384	EU TAU	05 42 44.286	+18 38 15.60		+0.0001	-0.014	8.4	6					G5	6	94837	V	
4385	TW AUR	05 53 25.063	+45 30 13.61		+0.0000	-0.035	8.4	6					MC	6	40721	V	
4386	V 901 ORI	05 38 24.343	-01 31 54.91		-0.0009	+0.002	8.4	6					B5	6	132446	V	
4387	DV TAU	05 28 10.412	+18 31 26.46		-0.0006	-0.028	8.4	6					MB	6	94604	V	
4388	MY CYG	20 18 06.377	+33 47 03.94		+0.0019	+0.023	8.4	6					A	6	69850	V	
4389	R CEP	19 09 23.858	+88 56 21.52		+0.3046	+0.115	8.4	6					G5	6	3170	V	
4390	AA CYG	20 02 36.645	+36 40 26.28		-0.0010	-0.010	8.4	6					NP	6	69360	V	
4391	S DEL	20 40 46.591	+16 54 27.48		+0.0015	+0.032	8.4	6	9.84	7	10.79	7	M5	7	106422	UV	
4392	AU MIC	20 42 03.756	-31 31 05.28		+0.0212	-0.348	8.4	6					MOVE	6	212402	DV	
4393	KP DEL	20 42 52.997	+18 06 37.87		-0.0008	+0.018	8.4	6					MA	6	106453	V	
4394	S AGL	20 09 19.377	+15 28 13.07		+0.0013	-0.020	8.4	6						6	105807	V	
4395	AE CAP	20 16 07.504	-16 00 53.18		+0.0018	-0.020	8.4	6					M4	6	163437	V	
4396	V 337 HER	17 47 21.815	+45 42 52.53		-0.0020	-0.019	8.4	6						6	46973	V	
4397	V 463 HER	17 09 19.135	+16 28 14.36		+0.0004	-0.011	8.4	6					K0	6	102639	V	
4398	DW APS	17 18 14.145	-67 52 52.53		+0.0001	-0.002	8.4	6						6	253891	V	
4399	TY HER	16 33 52.782	+13 24 47.59		-0.0032	+0.008	8.4	6						6	102266	V	
4400	VY CVN	13 28 29.971	+38 01 58.40		+0.0021	-0.054	8.4	6						6	63576	V	

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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	IV MAG.	U N	SPECTRAL CLASS	C N	SAN C.T.NO.	STAR PROP.	S N
4401	CN VIR	12 56 17.078	+08 28 46.77		+0.0004	-0.016	8.4	6					MA	6	119690	V	
4402	Z UMA	11 53 54.196	+58 08 59.27		-0.0038	-0.019	8.4	4					M6F	4	28104	V	
4403	TW CNC	08 26 51.737	+12 37 24.59		-0.0003	-0.011	8.4	6					G5	6	97854	V	
4404	RT HYA	08 27 13.205	-06 09 00.57		+0.0022	-0.031	8.4	6					M6E-M7	7	135976	V	
4405	U CNC	08 32 54.645	+19 04 10.11		+0.0007	+0.001	8.4	4					M2E	4	97942	V	
4406	V1059 CYG	21 02 43.733	+42 14 31.86		+0.0045	+0.004	8.4	6					MA	6	50419	V	
4407	DV AND	23 02 05.998	+38 06 24.21		+0.0026	-0.004	8.4	6							72979	V	
4408	T PEG	22 06 27.303	+12 17 41.85		-0.0021	+0.009	8.4	4					M6E	4	107600	V	
4409	YZ SCL	00 26 00.026	-35 59 43.72		+0.0029	+0.027	8.4	6	9.96	7	11.34	7	MA	6	192550	V	
4410	BZ AND	00 34 53.184	+45 19 45.10		-0.0010	+0.001	8.4	6					MA	6	36522	V	
4411	WY AND	23 39 02.132	+47 19 05.91		-0.0014	-0.053	8.4	6							53278	V	
4412	EO PEG	23 14 16.422	+10 19 34.46		+0.0024	+0.000	8.4	6					MA	6	108506	V	
4413	V 487 CAS	01 03 47.895	+63 30 22.84		-0.0034	+0.016	8.4	6	9.93	7			G0IAB	7	11581	V	
4414	TT PER	01 47 14.072	+53 29 43.31		+0.0018	+0.012	8.4	6					M5	6	22643	V	
4415	X MON	06 54 48.331	-08 59 48.39		-0.0023	-0.004	8.4	6					G43E-M4	7	133942	V	
4416	V 482 SCO	17 27 30.546	-33 34 19.91		-0.0022	+0.039	8.45	7	9.27	7			F5	6	208890	V	
4417	X VUL	19 55 23.908	+26 25 16.31		+0.0008	+0.003	8.46	7	9.73	7			K2	6	87980	V	
4418	V 548 CYG	19 55 47.031	+54 39 50.79		-0.0004	+0.019	8.5	6					AO	6	32117	V	
4419	V 477 CYG	20 03 29.474	+31 49 39.65		+0.0003	-0.016	8.5	6					AO	6	69381	V	
4420	S CAP	20 38 52.877	-19 14 13.43		-0.0013	-0.015	8.5	6					G5	6	163801	V	
4421	DR VUL	20 11 41.183	+26 35 53.51		+0.0015	-0.006	8.5	6					R8	6	88380	V	
4422	KO AQL	18 44 49.343	+10 42 30.19		-0.0001	-0.016	8.5	6					AO	6	104094	V	
4423	UX SGR	18 52 01.462	-16 35 22.66		+0.0008	-0.011	8.5	6					M3	6	161972	V	
4424	AQ SGR	19 31 27.098	-16 29 02.23		-0.0009	+0.010	8.5	6					NB	6	162777	V	
4425	V 915 AQL	19 00 50.035	+12 10 41.10		-0.0008	-0.019	8.5	6					MB	6	104407	V	
4426	V 337 AQL	19 01 34.064	-02 06 18.12		-0.0015	-0.006	8.5	6					B3	6	142979	V	
4427	V 537 ARA	17 43 52.036	-54 41 10.73		-0.0019	-0.005	8.5	6					B8	6	245031	V	
4428	AM CRA	18 37 51.137	-37 31 56.68		+0.0008	-0.009	8.5	6					MA	6	210455	V	
4429	HK AQL	18 39 43.997	+00 06 20.18		-0.0008	-0.016	8.5	6					K5	6	123824	V	
4430	V 914 OPH	17 57 01.404	+11 47 10.68		+0.0008	-0.000	8.5	6							103274	V	
4431	UU HER	16 34 12.172	+38 04 04.89		-0.0024	-0.020	8.5	6							65424	V	
4432	IOT- 1C NOR	15 59 25.747	-57 38 13.89		-0.0171	-0.066	8.5	4							2,3278	V	
4433	V 718 SCO	16 10 13.306	-22 21 28.89		-0.0011	-0.003	8.5	6					A2	6	184232	V	
4434	ST TAU	05 42 13.326	+13 33 23.84		-0.0009	-0.003	8.5	6	9.2	7			G0	6	94828	V	
4435	FU AUR	05 44 55.013	+30 36 53.42		+0.0012	+0.000	8.5	6					NA	6	58449	V	
4436	V 963 ORI	06 16 18.096	+20 36 05.65		-0.0005	-0.001	8.5	6	9.11	7	8.82	7	B2IBP	7	78223	V	
4437	TU AUR	06 31 55.715	+45 39 50.99		-0.0011	-0.002	8.5	5					MB	5	41103	V	
4438	FQ LUP	15 40 18.176	-37 00 42.72		+0.0021	-0.036	8.5	6					MB	6	206905	V	
4439	V TAU	04 49 08.402	+17 27 18.75		+0.0004	+0.006	8.5	4					M4E	4	94173	V	
4440	SW PER	04 07 24.640	+42 04 50.02		-0.0004	-0.010	8.5	6					MA	6	39354	V	
4441	WW DOR	04 12 15.752	-50 42 41.98		-0.0018	+0.004	8.5	6					MA	6	233439	V	
4442	TT AUR	05 06 14.780	+39 31 25.18		-0.0000	-0.002	8.5	6					B5	6	57690	V	
4443	UX CAM	05 05 25.999	+68 36 28.97		+0.0008	+0.014	8.5	6					MA	6	13391	V	
4444	BV ERI	03 49 30.314	-10 40 39.04		-0.0034	-0.134	8.5	6					F2	6	149215	V	
4445	V 479 TAU	03 51 48.394	+05 01 42.86		+0.0017	-0.020	8.5	6	8.99	7			F3II-III	7	111402	DV	
4446	V 368 CAS	03 08 36.850	+59 43 55.83		-0.0006	+0.003	8.5	6					BR	6	23874	V	
4447	RY PER	02 42 19.630	+47 56 01.03		+0.0000	-0.033	8.5	6					B9	6	38304	V	
4448	UPS- 2 FOR	02 46 38.503	-37 36 35.51		+0.0073	+0.099	8.5	4							193927	D	
4449	RS PER	02 18 51.327	+56 52 55.18		+0.0012	+0.011	8.5	6					M4	6	23257	V	
4450	V 356 PER	02 13 26.656	+56 53 56.10		-0.0011	-0.004	8.5	6	8.74	7			B1III	7	23116	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAP PROP.	G N
4451	AQ CET	01 47 23.428	-05 06 25.13		-0.0000	-0.023	8.1	6	9.98	7			MC	6	129519	V	
4452	AI PHE	01 07 20.803	-46 31 54.76		+0.0048	-0.003	8.5	6					GN	6	215389	V	
4453	EW AND	23 24 35.172	+49 14 28.27		-0.0012	+0.015	8.5	6					JR	6	53036	V	
4454	V 446 CAS	00 33 19.326	+62 24 41.17		+0.0005	-0.010	8.5	6	10.03	7	11.48	7	MA	6	11284	V	
4455	AF PHE	00 13 38.820	-48 50 00.98		-0.0007	+0.016	8.5	6					MA	6	215026	V	
4456	GL AND	23 52 25.640	+45 06 54.77		+0.0019	+0.014	8.5	6					M7	7	53474	V	
4457	RS AND	23 52 49.816	+48 21 36.49		+0.0007	-0.010	8.5	6					A0	6	53480	V	
4458	AT PEG	22 10 54.212	+08 10 38.55		-0.0015	-0.015	8.5	6					M3E	6	127380	V	
4459	R PSA	22 15 09.869	-29 51 17.34		+0.0008	-0.022	8.5	4					W5	6	191030	V	
4460	GP CEP	22 16 54.541	+55 52 30.02		-0.0006	+0.001	8.5	6	10.04	7	11.48	7	M4III	7	14301	V	
4461	AF SCL	23 04 43.275	-25 51 58.97		+0.0027	-0.014	8.5	6					F5	6	191666	V	
4462	W GRU	22 38 22.806	-44 06 08.43		+0.0004	-0.023	8.5	6					M6	6	231251	V	
4463	RS CAP	21 04 27.988	-16 37 26.45		+0.0005	-0.025	8.5	6					G5	6	164150	V	
4464	V 757 CEN	13 48 59.555	-36 22 33.14		-0.0098	-0.072	8.5	6					MR	6	204919	V	
4465	V 412 CEN	13 54 03.480	-57 28 02.46		+0.0001	-0.005	8.5	7					MC	6	241324	V	
4466	SV PEG	22 03 30.979	+35 06 17.43		-0.0006	-0.002	8.5	6	9.24	7			G5	4	72019	V	
4467	SX VEL	08 43 12.409	-46 09 37.12		-0.0008	-0.003	8.5	4	9.680	7			KN	6	220388	V	
4468	RZ CNC	08 36 02.695	+31 58 21.73		+0.0002	-0.005	8.5	6						6	60954	V	
4469	C-2 CAR	08 14 30.999	-62 45 36.49		-0.0073	-0.003	8.5	4					N3	6	250165	V	
4470	RU PUP	08 05 20.055	-22 46 00.18		-0.0005	-0.022	8.5	6					B2	6	175215	V	
4471	HP CAR	10 17 46.531	-57 09 12.70		-0.0005	-0.013	8.5	7						6	237917	V	
4472	RV LMI	10 20 39.386	+30 06 09.43		-0.0008	-0.010	8.5	6					B0	6	62013	V	
4473	VZ CEN	11 49 59.812	-61 14 45.11		+0.0019	+0.011	8.5	7					MC	6	251619	V	
4474	S CRT	11 50 11.674	-07 19 06.02		-0.0006	+0.007	8.5	6					MR	6	138457	V	
4475	WX LEO	11 53 38.203	+16 00 28.02		+0.0010	-0.039	8.5	6					BR	6	99874	V	
4476	BF CEN	11 33 56.631	-61 11 24.29		-0.0012	+0.016	8.5	7					G0	6	251477	V	
4477	AP LEO	11 02 29.417	+05 25 21.53		+0.0036	-0.068	8.5	6					MR	6	118649	V	
4478	HW CRT	11 03 27.165	-08 53 03.30		-0.0005	-0.026	8.5	6					BR	6	137985	V	
4479	AC VEL	10 44 17.265	-56 33 56.09		+0.0004	+0.012	8.5	7					K5	6	238458	V	
4480	AO CRU	12 15 02.450	-63 20 18.13		-0.0086	-0.057	8.5	7					MR	6	251832	V	
4481	SX MON	06 49 18.112	+04 49 31.93		-0.0009	-0.022	8.5	6					MA	6	114535	V	
4482	MR MON	06 44 35.955	+01 35 05.08		-0.0010	-0.014	8.6	6					BP	6	114409	V	
4483	Z CMA	07 01 22.566	-11 28 35.91		-0.0014	+0.021	8.6	6					F0	6	152302	V	
4484	RV CRV	12 35 03.324	-19 18 10.61		-0.0033	+0.016	8.6	6					M2	6	157402	V	
4485	TZ UMA	12 07 05.293	+58 39 43.53		-0.0013	-0.013	8.6	6					A3	6	28265	V	
4486	SX HYA	13 41 49.222	-26 31 45.43		-0.0032	-0.021	8.6	6					M4	6	181919	V	
4487	T CRT	11 21 23.215	-19 37 59.93		+0.0002	-0.017	8.6	6					BR	6	156650	V	
4488	MN CEN	11 25 46.872	-61 08 08.31		-0.0008	+0.003	8.6	7					M3E	6	251415	V	
4489	X OCT	10 28 01.229	-84 05 32.54		-0.0157	+0.029	8.6	4					F2	4	258577	V	
4490	XX ANT	09 47 19.670	-38 06 56.79		-0.0017	+0.032	8.6	6	9.16	7			F8	6	200776	V	
4491	AX VEL	08 09 17.294	-47 32 56.46		-0.0018	+0.015	8.6	6					F5	6	219549	V	
4492	YY CMI	08 04 02.855	+02 04 26.92		-0.0006	+0.002	8.6	6					M2	6	116352	V	
4493	BG PUP	08 05 30.771	-20 32 15.77		-0.0026	+0.003	8.6	6					AN	6	175218	V	
4494	UV PEG	22 01 57.834	+35 31 00.31		-0.0009	-0.008	8.6	6					MB	6	71902	V	
4495	RU EQU	21 15 49.544	+07 32 58.11		-0.0002	-0.004	8.6	6					MR	6	126695	V	
4496	V1058 CYG	21 00 13.195	+34 34 41.25		+0.0009	-0.012	8.6	6					M4E	6	70812	V	
4497	Z CAP	21 07 50.536	-16 22 41.81		+0.0002	-0.039	8.6	7					K0	6	164193	V	
4498	RV EQU	21 12 26.695	+08 47 08.08		+0.0001	-0.013	8.6	6					W5	6	126649	V	
4499	CQ CEP	22 34 56.777	+56 38 45.76		+0.0001	+0.003	8.6	6					B2	6	34622	V	
4500	DH CEP	22 44 54.250	+57 49 13.41		+0.0006	-0.001	8.6	6						6	34810	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAC T.NO.	STAR PROP.	S N
4501	FW LAC	22 19 20.427	+45 23 51.62		+0.0007	+0.017	8.6	6					MR	6	1013	V	
4502	AZ PEG	22 04 20.724	+28 58 18.50		+0.0002	-0.003	8.6	6					M0	6	00231	V	
4503	TX PEG	22 15 51.441	+13 21 27.53		+0.0004	-0.023	8.6	6					MR	6	107813	V	
4504	DF PEG	21 52 18.683	+14 19 15.69		+0.0002	-0.010	8.6	6						6	107406	V	
4505	DL CAS	00 27 10.374	+59 56 09.16		-0.0008	+0.011	8.6	6	9.640	7			G5	6	01446	V	
4506	AA SCL	00 34 01.187	-30 36 31.73		-0.0002	+0.006	8.6	6	10.19	7	11.88	7	MR	6	102633	V	
4507	XX CEP	23 36 00.130	+64 03 26.73		-0.0055	+0.018	8.6	6	10.19	7			A	6	00743	V	
4508	AL CET	01 06 11.103	-17 19 47.64		-0.0003	-0.001	8.6	6					M1	6	147633	V	
4509	PR PER	02 18 07.954	+57 38 05.56		-0.0002	+0.007	8.6	5					K5I-E-12I	7	23234	V	
4510	X TRI	01 57 42.353	+27 38 50.29		-0.0000	-0.006	8.6	6					A2	6	75082	V	
4511	UZ CET	02 03 38.225	-10 27 02.20		+0.0001	-0.005	8.6	6					M2	6	148198	V	
4512	CD AND	01 23 30.959	+44 05 51.37		+0.0024	-0.001	8.6	6					FR	6	37207	V	
4513	LX PER	03 09 53.306	+47 55 23.23		+0.0065	-0.063	8.6	6					G5	6	38651	V	
4514	X FOR	02 40 45.301	-26 19 50.70		+0.0012	-0.032	8.6	6					M3	6	167998	V	
4515	XY CET	02 56 56.971	+03 19 09.34		-0.0003	-0.004	8.6	6					A0	7	110887	V	
4516	RS CET	02 25 26.241	-00 00 06.36		-0.0003	-0.013	8.6	6					G5	6	129921	V	
4517	UX AND	02 30 13.070	+45 26 06.36		-0.0025	-0.001	8.6	6						6	38115	V	
4518	DO CAS	02 37 34.524	+60 20 22.97		+0.0025	-0.007	8.6	6					A2	6	12388	V	
4519	RW CAM	03 50 15.152	+58 30 22.13		-0.0018	-0.001	8.6	6	9.780	7			K2	6	24282	V	
4520	SU ERI	03 48 54.689	-01 31 13.81		-0.0011	-0.012	8.6	6					MC	6	130773	V	
4521	CQ TAU	05 32 54.139	+24 43 03.68		+0.0005	-0.028	8.6	6					F5	6	77299	V	
4522	UZ OCT	04 52 47.738	-84 53 50.59		-0.0153	-0.034	8.6	6						6	258392	V	
4523	SY AUR	05 09 05.020	+42 46 20.96		+0.0000	-0.013	8.6	6	9.520	7				6	40115	V	
4524	EL AUR	04 59 30.604	+50 33 44.59		+0.0005	-0.005	8.6	6					N3	6	24981	V	
4525	BF AUR	05 01 33.022	+41 13 13.62		+0.0036	-0.025	8.6	6					A0	6	40003	V	
4526	CZ ERI	04 05 38.603	-39 37 51.87		+0.0009	+0.000	8.6	6					MA	6	194779	V	
4527	PI - 2 UMI	15 32 13.135	+80 37 02.33		-0.0862	+0.105	8.6	4					G5	4	2558	D	
4528	RW CVN	13 57 24.787	+37 26 22.34		+0.0019	-0.027	8.6	6						7	63872	V	
4529	RX BOO	14 21 56.691	+25 55 48.52		+0.0024	-0.061	8.6	7					M7E	6	83331	V	
4530	Z MON	06 30 25.105	-08 50 02.42		-0.0028	-0.008	8.6	6					K5	6	133392	V	
4531	BK GEM	06 27 08.556	+13 38 59.34		-0.0001	-0.002	8.6	6					A	6	95749	V	
4532	DN ORI	05 57 42.557	+10 13 01.46		-0.0009	+0.010	8.6	6					B	6	95108	V	
4533	GO ORI	06 08 28.523	+09 37 27.80		-0.0001	+0.008	8.6	6					NOTV	7	113558	V	115
4534	LR GEM	06 12 14.344	+22 19 04.05		+0.0002	-0.005	8.6	6	9.24	7			G3EP-K0	7	78145	V	
4535	SX HER	16 05 20.916	+25 02 28.14		-0.0007	-0.047	8.6	7					A2	6	84204	V	
4536	UY HER	16 31 26.500	+38 10 30.58		-0.0014	-0.011	8.6	6					M5	6	65379	V	
4537	AX SCO	16 38 43.893	-27 00 37.01		-0.0016	+0.009	8.6	6						6	184551	V	
4538	V 529 HER	18 06 25.775	+42 12 53.18		-0.0011	-0.016	8.6	6						6	47244	V	
4539	SZ SGR	17 42 00.165	-18 38 13.99		-0.0006	-0.008	8.6	6					N3	6	160705	V	
4540	FM AQL	19 06 54.029	+10 28 16.25		-0.0013	+0.004	8.6	6	9.700	7			K0	6	104513	V	
4541	FN AQL	19 10 17.431	+03 28 18.97		-0.0001	-0.013	8.6	6	9.650	7			G5	6	124392	V	
4542	KP LYR	18 29 11.023	+38 36 13.75		+0.0008	-0.028	8.6	6						6	67056	V	
4543	V 346 AQL	20 07 35.970	+10 12 05.98		+0.0004	-0.002	8.6	6					A0	6	105774	V	
4544	17 THE- 2 SGE	20 07 43.696	+20 46 04.93		+0.0042	+0.103	8.6	4					G5	4	88275	D	
4545	R SGE	20 11 46.705	+16 34 26.20		-0.0000	+0.008	8.6	4						4	105871	V	
4546	V 382 CYG	20 16 53.882	+36 11 00.22		-0.0002	+0.012	8.6	6					BOIREV	7	69812	V	5A
4547	V1357 CYG	19 56 28.843	+35 03 54.51		-0.0016	-0.018	8.6	6	9.40	7			MC	6	69181	V	
4548	V 485 CYG	19 59 19.969	+33 47 19.39		+0.0020	+0.050	8.6	6					AOEP	7	69264	V	
4549	V1295 AQL	20 00 34.435	+05 35 49.65		-0.0001	+0.003	8.6	6					K0	6	125381	V	
4550	V 419 CEN	11 28 34.171	-56 37 22.09		-0.0008	+0.013	8.65	7	9.340	7				6	239133	V	

TABLE 5 CONTINUED
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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	5 N
4551	AG VIR	11 58 29.756	+13 17 13.13		-0.0006	-0.033	8.7	6	8.97	7			A0	7	99909	V	
4552	TU MUS	11 28 56.052	-65 27 59.47		-0.0066	-0.021	8.7	5					B3+B3	7	251436	V	
4553	AK LEO	11 38 13.261	+13 21 18.79		-0.0009	+0.001	8.7	6					A	6	99730	V	
4554	EM CAR	11 09 56.419	-60 49 23.02		+0.0011	+0.001	8.7	7					B3	6	251312	V	
4555	V 685 CEN	11 22 09.703	-57 27 10.70		-0.0002	+0.005	8.7	6					A0	6	239043	V	
4556	TU UMA	11 27 09.657	+30 20 37.68		-0.0067	-0.058	8.7	6	8.84	7					62578	V	
4557	V 701 CEN	13 28 31.522	-51 30 52.19		-0.0026	-0.034	8.7	6					A0	6	240918	V	
4558	V 743 CEN	13 25 17.716	-51 01 58.53		+0.0006	-0.055	8.7	6					A5	6	240869	V	
4559	RX VIR	12 02 11.163	-05 29 41.55		-0.0023	+0.024	8.7	6					K0	7	138566	V	
4560	AU PUP	08 15 55.185	-41 33 05.62		-0.0009	-0.008	8.7	6					A0	6	219743	V	
4561	FZ HYA	08 18 54.729	+05 07 06.15		-0.0040	-0.019	8.7	6					M	6	116668	V	
4562	AQ PUP	07 56 20.720	-28 59 37.26		-0.0017	-0.012	8.7	6					K5	6	174904	V	
4563	BH PUP	08 06 32.407	-41 52 58.69		-0.0005	+0.001	8.7	6					B9	6	219459	V	
4564	VX PUP	07 30 27.661	-21 49 19.99		+0.0013	-0.020	8.7	6					F5	6	173963	V	
4565	SU MON	07 39 55.297	-10 45 38.91		-0.0003	-0.007	8.7	6					S3-6	7	153273	V	
4566	RZ PYX	08 49 56.062	-27 17 41.72		-0.0008	-0.012	8.7	6					B9	6	176601	V	
4567	I- 2 VEL	10 19 03.646	-55 47 27.78		-0.0041	+0.009	8.7	4							237960	V	
4568	TU PYX	09 07 58.341	-19 42 34.85		-0.0055	-0.017	8.7	6					G0	6	154972	V	
4569	TZ CET	02 20 15.782	-10 25 45.81		+0.0011	-0.010	8.7	6					M3	6	148361	V	
4570	RT PSC	01 11 03.729	+26 52 07.31		-0.0000	-0.040	8.7	6					M0	6	74573	V	
4571	UV PSC	01 14 18.530	+06 32 53.01		+0.0055	+0.028	8.7	6					G5	6	109778	V	
4572	AB SCL	00 42 04.655	-33 55 37.34		-0.0029	+0.050	8.7	6	10.34	7	12.32	7	MA	6	192707	V	
4573	UI PEG	23 29 43.302	+14 41 34.46		-0.0009	-0.016	8.7	6							108667	V	
4574	Y SCL	23 06 22.988	-30 24 17.77		+0.0002	+0.021	8.7	7					MP	6	214344	V	
4575	X LAC	22 47 00.350	+56 09 48.66		-0.0006	+0.008	8.7	6	9.53	7			G5	6	34850	V	
4576	BC AND	22 58 37.580	+46 14 30.62		-0.0018	-0.012	8.7	6					MC	6	52594	V	
4577	V 539 CYG	21 37 37.726	+44 57 22.15		+0.0017	-0.021	8.7	6					MB	6	51156	V	
4578	V 836 CYG	21 19 20.491	+35 31 22.51		+0.0019	+0.001	8.7	6	8.720	7			A0	6	71239	V	
4579	V1056 CYG	20 48 33.943	+36 52 55.19		+0.0001	-0.014	8.7	6					MB	6	70566	V	
4580	V 478 CYG	20 17 48.267	+38 10 38.88		-0.0018	-0.034	8.7	6					B	6	69836	V	
4581	OU LYR	19 09 44.314	+32 31 46.77		-0.0012	+0.009	8.7	6					MB	6	67941	V	
4582	V1182 AQL	18 53 00.019	+09 16 53.47		+0.0008	+0.000	8.7	6					O0+B3	7	124049	V	
4583	TY CRA	18 58 18.546	-36 56 51.86		+0.0008	-0.043	8.7	7					B2	6	210829	V	
4584	V 668 CRA	18 28 50.515	-42 21 23.70		+0.0046	-0.097	8.7	6	8.91	7	9.06	7	A5	6	229101	V	
4585	RT PAV	18 30 55.665	-69 55 30.92		-0.0027	+0.012	8.7	6							254206	V	
4586	SZ AQL	19 02 07.051	+01 13 48.66		+0.0001	+0.003	8.7	6	9.740	7			K2	6	124227	V	
4587	RY OPH	18 14 07.414	+03 40 26.98		-0.0003	+0.005	8.7	6					M3E-M6E	7	123316	V	
4588	V 771 SGR	17 50 23.857	-24 45 52.30		+0.0020	-0.002	8.7	6					B0	6	185899	V	
4589	UX HER	17 51 54.495	+16 57 07.49		-0.0017	+0.027	8.7	6					A0	6	103105	V	
4590	SY OPH	16 52 07.213	-21 53 24.55		-0.0000	-0.015	8.7	6					M4	6	184796	V	
4591	WZ OPH	17 04 14.056	+07 50 53.73		+0.0012	-0.027	8.7	6					G0	6	122083	V	
4592	V 349 ARA	16 34 56.592	-60 51 46.86		+0.0012	-0.015	8.7	6					A3	6	253639	V	
4593	W UMI	16 21 11.053	+86 19 22.57		-0.0103	+0.010	8.7	6					A0	6	2692	V	
4594	TV NOR	16 00 22.362	-51 24 27.35		-0.0008	-0.012	8.7	6					A0	6	243289	V	
4595	V 916 ORI	06 05 27.757	+13 58 48.00		-0.0005	-0.002	8.7	6	8.69	7			B2V	7	95271	V	
4596	V 917 ORI	06 05 37.059	+13 56 22.11		-0.0006	+0.007	8.7	6	8.64	7			B3	6	95281	V	
4597	FX ORI	05 39 03.763	+14 48 37.78		-0.0006	-0.009	8.7	5					MD	6	94778	V	
4598	V 553 CEN	14 43 32.248	-31 57 41.97		+0.0002	-0.019	8.7	7					K0	6	205930	V	
4599	DN VIR	14 08 38.935	-10 14 38.68		-0.0009	-0.008	8.7	6					MB	6	158411	V	
4600	V 418 CEN	14 17 26.160	-64 00 46.81		+0.0008	-0.001	8.7	7					K5	6	252712	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

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4601	EY VIR	14 16 28.980	-13 12 06.70		+0.0012	-0.022	8.7	6					M5	6	158492	V	
4602	EN TRA	14 52 28.130	-68 38 17.43		-0.0028	+0.011	8.7	6							252962	V	
4603	T CAE	04 45 31.719	-36 17 50.61		+0.0037	+0.010	8.7	5					N4	7	195295	V	
4604	DD ERI	04 06 30.612	-08 13 54.52		-0.0015	-0.019	8.7	6					MC	6	130984	V	
4605	SY ERI	05 07 20.877	-05 34 37.58		-0.0002	+0.015	8.7	6					NR	6	131832	V	
4606	VX ERI	03 22 47.074	-12 31 48.47		+0.0011	+0.012	8.7	6					M3	6	148953	V	
4607	YY CAS	03 05 56.365	+65 33 10.61		-0.0025	+0.041	8.7	6							12631	V	
4608	AY PER	03 06 51.220	+50 44 33.16		+0.0007	-0.011	8.7	6					B9	6	23850	V	
4609	AP MON	07 07 07.584	-06 39 02.98		-0.0011	+0.020	8.7	6					M2	6	134271	V	
4610	V 519 MON	06 48 55.117	+00 01 40.45		-0.0004	-0.031	8.7	6					M2	6	114519	V	
4611	GI CAR	11 11 48.017	-57 38 18.09		-0.0016	-0.016	8.77	7	9.380	7			F8	6	238844	V	
4612	UV LEO	10 35 40.995	+14 31 39.52		+0.0001	+0.005	8.8	6					G5	6	99222	V	
4613	CV LEO	11 51 24.206	+20 46 05.82		+0.0006	-0.002	8.8	6					K7	6	42039	V	
4614	DZ MUS	11 57 21.147	-69 36 22.96		+0.0001	-0.016	8.8	6					A0	7	251674	V	
4615	SU CRT	11 30 19.397	-11 45 25.28		+0.0024	-0.160	8.8	6	9.10				F2V	7	156747	V	
4616	SS CRT	11 33 13.351	-17 39 02.16		+0.0007	-0.013	8.8	6					M3	6	156775	V	
4617	V 646 CEN	11 34 34.432	-52 55 59.21		-0.0006	-0.009	8.8	6					B9	6	239223	V	
4618	CP VIR	13 54 29.643	+06 49 06.19		-0.0017	-0.012	8.8	6					MB	6	120101	V	
4619	V 379 CEN	13 22 06.824	-59 31 16.73		-0.0015	-0.017	8.8	7					B9	6	240822	V	
4620	SW VEL	08 41 59.784	-47 13 17.95		-0.0038	-0.006	8.8	4	9.52	7			K2	4	220356	V	
4621	AS VEL	08 26 27.552	-38 48 19.20		-0.0037	-0.020	8.8	7					A3	6	199271	V	
4622	RS CAM	08 43 58.515	+79 08 50.53		+0.0020	-0.035	8.8	6					MR	6	6653	V	
4623	WY VEL	09 20 20.945	-52 21 00.92		-0.0006	-0.014	8.8	7					MA	6	236888	V	
4624	XY PUP	08 07 12.937	-11 50 16.08		+0.0026	-0.021	8.8	6					A3	6	153899	V	
4625	Z CNC	08 19 36.889	+15 09 11.08		-0.0004	-0.045	8.8	6					MC	6	07768	V	
4626	TY PUP	07 30 35.866	-20 41 02.30		-0.0011	+0.054	8.8	6					F0	6	173970	V	
4627	YY PUP	07 33 39.949	-19 16 49.08		-0.0055	-0.005	8.8	6					A0	6	153116	V	
4628	WX PUP	07 39 54.486	-25 45 27.31		-0.0012	-0.008	8.8	6					G0	6	174319	V	
4629	W CMI	07 46 06.077	+05 31 08.83		-0.0000	+0.020	8.8	6					NA	6	115963	V	
4630	TU MON	07 50 49.059	-02 54 40.73		-0.0016	-0.007	8.8	6					B8	6	135216	V	
4631	AR MON	07 18 20.454	-05 09 54.68		+0.0020	-0.009	8.8	6					K0	6	134544	V	
4632	CW CMA	07 19 46.375	-23 41 51.68		-0.0031	-0.009	8.8	6					B9	6	173554	V	
4633	MQ PUP	07 29 33.686	-37 53 42.18		+0.0002	+0.004	8.8	6					B9	6	198085	V	
4634	RS LYN	07 14 28.716	+48 36 38.02		+0.0014	-0.015	8.8	6					MC	6	41678	V	
4635	AU MON	06 52 22.469	-01 18 40.78		-0.0014	-0.021	8.8	6					B5	6	133897	V	
4636	MR CYG	21 57 00.316	+47 44 37.14		-0.0008	+0.018	8.8	6							51509	V	
4637	CS LAC	21 57 39.866	+42 19 50.69		-0.0002	+0.000	8.8	6							51524	V	
4638	BG LAC	21 58 23.044	+43 12 17.15		-0.0008	+0.013	8.8	6	9.62	7					51539	V	
4639	RT LAC	21 59 28.557	+43 38 55.02		+0.0047	+0.012	8.8	6					G5	6	51563	V	
4640	RY AGR	21 17 33.708	-11 00 54.45		+0.0036	+0.041	8.8	6					A3	6	164320	V	
4641	AB CAP	20 56 43.189	-14 59 41.87		-0.0001	-0.003	8.8	6					M4	6	164042	V	
4642	RX AGR	21 10 00.961	-14 35 54.87		+0.0028	-0.007	8.8	6					M5	6	164218	V	
4643	CE VIR	13 46 42.444	-01 40 52.00		-0.0045	+0.001	8.8	6					K2	6	139574	V	
4644	GH HYA	13 54 03.314	-26 54 41.22		+0.0011	-0.024	8.8	6					M3	6	182107	V	
4645	RZ LAC	22 33 38.531	+52 29 03.56		+0.0008	+0.006	8.8	6					A0	6	34598	V	
4646	SZ AGR	22 40 07.684	-21 26 27.81		+0.0004	+0.007	8.8	6					K5	6	101345	V	
4647	GL LAC	22 42 05.629	+55 19 35.12		+0.0013	+0.010	8.8	6					A0P	6	34741	V	
4648	V LAC	22 46 35.226	+56 03 25.20		-0.0006	+0.011	8.8	6	9.48	7			G5	6	34841	V	
4649	SW LAC	22 51 22.544	+37 40 18.88		+0.0058	+0.005	8.8	6					G5	6	72820	V	
4650	Y LAC	22 07 07.776	+50 48 00.12		+0.0002	+0.004	8.8	6	9.36	7			F8	6	34106	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAR CAT. NO.	STAP PROP.	G N
4651	XY	AGR	23 18 44.752	-17 47 25.68		+0.0017	-0.012	8.8	6				G0	6	165640	V	
4652	RU	AGR	23 21 47.163	-17 35 38.10		+0.0014	+0.015	8.8	6				M4	6	165676	V	
4653	Y	PSC	23 31 52.679	+07 38 53.97		+0.0004	+0.012	8.8	6				A2	6	128261	V	
4654	GG	AND	23 34 53.525	+46 49 51.92		+0.0007	+0.006	8.8	6					6	53105	V	
4655	DK	PEG	23 39 00.796	+09 56 19.19		+0.0020	-0.008	8.8	6				A5	6	128331	V	
4656	TY	AND	23 12 21.996	+40 31 18.67		+0.0015	-0.011	8.8	6				MD	6	52832	V	
4657	AH	CET	00 35 35.527	-21 41 04.64		-0.0038	-0.016	8.8	6	10.25	7		M2	6	166420	V	
4658	AI	CET	00 39 29.353	-09 55 19.20		-0.0010	-0.019	8.8	6	10.29	7		M3	6	128907	V	
4659	V 379	CAS	00 23 49.123	+60 31 17.58		-0.0007	+0.008	8.8	6				F8	6	11197	V	
4660	AG	PHE	00 24 26.984	-40 09 29.28		+0.0057	-0.030	8.8	6				A3	6	215008	V	
4661	AN	CET	01 11 41.698	-02 26 38.40		+0.0046	+0.000	8.8	6	10.25	7		M4	7	129190	V	
4662	CC	AND	00 41 03.148	+42 00 30.58		-0.0021	-0.020	8.8	6	9.130	7			6	36605	V	
4663	V 355	PER	02 12 32.364	+57 30 46.97		-0.0007	+0.002	8.8	6	9.13	7		B3IV	7	23102	V	
4664	VW	ERI	03 19 16.438	-21 38 09.20		+0.0053	-0.020	8.8	6				K7	6	168483	V	
4665	RX	CAS	03 03 15.350	+67 23 07.56		-0.0018	-0.000	8.8	6					6	12609	V	
4666	V 362	PER	02 30 30.935	+58 11 11.35		+0.0009	+0.008	8.8	6	9.29	7		B0III	7	23434	V	
4667	CC	ERI	02 32 28.419	-44 00 38.91		+0.0053	-0.301	8.8	6				K5	6	215947	V	
4668	SU	AUR	04 52 47.873	+30 29 19.60		+0.0012	-0.031	8.8	6					6	57509	V	
4669	HP	TRA	15 21 49.326	-63 15 05.78		-0.0011	+0.004	8.8	6				B8	6	253159	V	
4670	UV	DRA	14 42 33.548	+56 19 02.96		-0.0032	-0.006	8.8	6				M2	6	29259	V	
4671	V 636	CEN	14 13 40.211	-49 42 49.03		-0.0028	-0.043	8.8	6				G0	6	224812	V	
4672	10T- 2	BOO	14 14 25.816	+51 36 22.17		-0.0179	+0.082	8.8	4				A2	4	29073	D	
4673	ET	TAU	05 34 32.930	+27 14 33.44		+0.0029	+0.039	8.8	6				B8	6	77330	V	
4674	FO	ORI	05 25 31.718	+03 34 58.37		-0.0003	-0.011	8.8	6				A3	6	112796	V	
4675	SV	MON	06 18 44.958	+06 29 40.68		-0.0012	-0.013	8.8	6	9.55	7		G5	6	113757	V	
4676	HR	HER	16 02 50.633	+50 38 03.27		-0.0004	-0.041	8.8	6				N2E	6	29781	V	
4677	BR	SCO	16 10 28.866	-10 12 40.51		-0.0019	+0.026	8.8	6				MR	6	159785	V	
4678	SX	CRB	16 13 29.530	+33 27 13.81		-0.0014	-0.011	8.8	6					6	65175	V	
4679	AK	HER	17 11 43.180	+16 24 27.59		+0.0019	-0.046	8.8	6				F8	6	102668	V	
4680	V 502	OPH	16 38 47.782	+00 36 08.53		-0.0012	+0.020	8.8	6				G0	6	121784	V	
4681	RR	SCT	18 38 17.186	-04 07 56.14		-0.0001	+0.010	8.8	6				B8	6	142494	V	
4682	W	LYR	18 13 11.720	+36 39 12.05		+0.0006	-0.013	8.8	6				M3E-M6.5E	7	66704	V	
4683	CV	SCA	18 16 19.810	-11 39 16.23		-0.0015	+0.015	8.8	6				OA	6	161325	V	
4684	FO	SCA	18 16 29.434	-15 38 04.58		+0.0022	-0.013	8.8	6	10.67	7	12.67	R6(C4.5J)	7	161327	V	
4685	XZ	SGR	18 19 01.726	-25 15 53.02		+0.0020	-0.024	8.8	6				A2	6	186718	V	
4686	RY	SCT	18 22 42.706	-12 43 09.24		-0.0011	+0.005	8.8	6				PEC	6	161458	V	
4687	V 764	SCO	17 52 27.507	-45 08 55.87		-0.0000	-0.029	8.8	6				A2	6	228555	V	
4688	V 839	OPH	18 06 58.351	+09 08 28.30		-0.0015	-0.016	8.8	6				G0	6	123183	V	
4689	V 552	OPH	17 39 35.150	-28 24 29.34		+0.0013	+0.022	8.8	6				M0	6	185643	V	
4690	XX	OPH	17 41 15.407	-06 14 52.19		+0.0004	+0.004	8.8	6				BP	6	141834	V	
4691	AK	SCO	16 51 23.121	-36 48 28.55		-0.0018	-0.046	8.8	7				G0	6	208174	V	
4692	TT	LYR	19 25 57.680	+41 35 55.51		-0.0028	+0.006	8.8	6					6	48466	V	
4693	UW	SGR	19 43 32.556	-18 16 30.22		+0.0005	-0.024	8.8	6				N0	6	162965	V	
4694	RW	SCT	18 53 45.556	-10 35 28.79		+0.0020	+0.015	8.8	6				M5	6	162009	V	
4695	OQ	LYR	18 54 56.654	+31 08 01.59		+0.0002	+0.011	8.8	6					6	67609	V	
4696	MT	TEL	18 58 30.762	-46 43 27.33		-0.0127	-0.109	8.8	6	8.94	7		A0	6	229444	V	
4697	SU	SGR	19 00 43.065	-22 47 10.47		+0.0003	-0.008	8.8	6				M7	6	187624	V	
4698	BS	DRA	19 57 12.641	+73 28 48.10		-0.0000	-0.012	8.8	6				F5	6	9579	V	
4699	V1154	CYG	19 46 37.438	+43 00 04.94		+0.0007	+0.028	8.8	6					6	48854	V	
4700	V 697	CYG	19 48 00.168	+52 39 28.61		-0.0022	+0.013	8.8	6				M2	6	32028	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTR.L CLASS	S N	SAN CAT.NO.	STAP PROP.	G N
4701	V 526 MON	06 59 21.118	-01 03 29.95		-0.0005	-0.013	8.8	6					G0	6	134074	V	
4702	IT CAR	11 10 02.657	-61 28 57.45		+0.0004	-0.007	8.84	7	9.720	7			K2	6	251314	V	
4703	UZ CEN	11 38 36.210	-62 24 54.23		-0.0007	+0.002	8.87	7	9.480	7			G5	6	251537	V	
4704	CZ LEO	11 28 46.891	-04 01 25.39		-0.0005	-0.008	8.9	6					M5	7	138245	V	
4705	AI LEO	11 37 53.632	+11 28 21.02		-0.0001	-0.012	8.9	6					MR	6	09725	V	
4706	AB CRU	12 14 55.850	-57 53 12.68		-0.0034	-0.006	8.9	7					B0	6	239816	V	
4707	V 434 CEN	11 09 40.276	-35 53 28.90		-0.0060	-0.044	8.9	6					K5	6	202104	V	
4708	QS CAR	10 32 55.817	-70 54 24.15		-0.0189	-0.002	8.9	6					G	7	256729	V	
4709	Z SEX	10 08 24.188	+02 48 19.22		-0.0005	-0.050	8.9	6					V2	6	118149	V	
4710	VY HYA	10 17 54.667	-22 53 58.72		-0.0049	+0.041	8.9	6					A3	6	178701	V	
4711	HU PUP	07 53 38.431	-28 30 54.94		+0.0011	-0.028	8.9	6					K5	6	174817	V	
4712	PZ MON	06 45 45.932	+01 16 32.69		-0.0019	-0.006	8.9	6					K0	6	114440	V	
4713	UU CNC	07 59 41.467	+15 19 07.06		+0.0000	-0.004	8.9	6							97406	V	
4714	SW LYN	08 04 16.846	+41 56 46.98		-0.0014	-0.037	8.9	6					F2	6	42180	V	
4715	SZ LYN	08 06 06.302	+44 37 09.70		-0.0006	-0.026	8.9	6	9.16	7			F2	6	42201	V	
4716	SY VEL	09 10 34.847	-43 34 15.85		-0.0023	+0.015	8.9	7					MB	6	220949	V	
4717	TT PYX	08 46 21.553	-25 58 39.07		+0.0003	-0.011	8.9	6					R9	6	176505	V	
4718	UV CNC	08 35 52.830	+21 20 09.06		+0.0007	+0.003	8.9	6					M0	6	80312	V	
4719	AO CET	01 17 47.286	-10 00 33.87		+0.0009	+0.032	8.9	6	10.48	7			M2	6	147744	V	
4720	XX SCL	01 27 08.974	-33 34 43.52		+0.0022	-0.040	8.9	6					F0	6	193142	V	
4721	WY CET	01 33 07.925	-12 11 48.03		-0.0027	-0.027	8.9	6					A2	7	147807	V	
4722	V 365 CAS	00 57 53.527	+56 20 36.93		+0.0009	+0.020	8.9	6					M5	6	21917	V	
4723	HS CAS	01 05 07.806	+63 19 11.35		+0.0004	-0.021	8.9	6							11591	V	
4724	SX CAS	00 08 04.443	+54 36 48.35		+0.0012	+0.004	8.9	6					A7	6	21169	V	
4725	FM CAS	00 11 48.761	+55 58 30.44		-0.0008	+0.004	8.9	6	9.750	7			G0	6	21233	V	
4726	V CET	23 55 20.268	-09 14 15.35		+0.0030	-0.061	8.9	4					M3E	4	147001	V	
4727	TW AND	00 00 43.893	+32 34 03.23		+0.0052	+0.002	8.9	6							53603	V	
4728	TT AQR	22 52 18.396	-09 38 29.00		-0.0002	-0.011	8.9	6					MR	6	146384	V	
4729	AI CEP	21 44 45.352	+56 41 07.60		-0.0011	+0.006	8.9	6					B0	6	33744	V	
4730	BD PEG	22 40 36.963	+27 53 42.10		+0.0043	+0.006	8.9	6					M8	6	90732	V	
4731	CO VIR	13 01 24.450	+07 20 08.69		-0.0025	-0.021	8.9	6					M8	6	119746	V	
4732	UU CAP	21 33 26.848	-14 05 33.80		+0.0045	+0.005	8.9	6					M4	6	164507	V	
4733	V1427 CYG	21 34 01.450	+47 41 14.89		-0.0011	+0.005	8.9	6	9.52	7	9.18	7	B3Fn	7	51076	V	
4734	UU CYG	21 37 30.538	+43 03 04.65		-0.0036	+0.018	8.9	7					A2	7	51154	V	
4735	CX ERI	04 01 40.592	-39 30 54.46		-0.0006	+0.029	8.9	6					MA	6	194722	V	
4736	UZ PER	03 17 00.532	+31 50 29.15		+0.0006	+0.003	8.9	6							56354	V	
4737	CR AND	02 34 54.925	+46 20 32.68		-0.0002	-0.010	8.9	6							38184	V	
4738	Y ARI	02 38 00.678	+30 59 10.46		-0.0000	-0.002	8.9	6					MC	6	55784	V	
4739	BL TAU	03 50 07.194	+20 03 36.69		+0.0005	+0.002	8.9	6							76297	V	
4740	LT GEM	06 15 22.808	+23 35 30.88		+0.0003	-0.004	8.9	6	9.26	7			B1V	7	78198	V	
4741	IY AUR	05 44 51.110	+43 03 59.05		-0.0001	-0.009	8.9	6					B52P	7	40615	V	
4742	V 451 ORI	05 28 40.129	+10 59 12.26		-0.0011	+0.004	8.9	6					B9	6	94612	V	
4743	DM VIR	14 05 12.032	-10 54 54.12		-0.0018	+0.001	8.9	6					F5	6	158369	V	
4744	KN AQL	20 27 43.062	+01 42 29.28		+0.0004	+0.006	8.9	6					MB	6	125873	V	
4745	CQ CYG	19 56 24.243	+53 10 26.37		+0.0009	-0.001	8.9	6					F2	6	32144	V	
4746	TX DEL	20 47 41.976	+03 27 54.83		-0.0020	-0.002	8.9	6					F8	6	126272	V	
4747	V 842 AQL	19 11 23.486	+02 32 18.96		+0.0002	+0.012	8.9	6					MA	6	124413	V	
4748	FL Lyr	19 10 37.583	+46 14 18.17		-0.0000	+0.072	8.9	6					G5	6	48190	V	
4749	RX TEL	19 03 17.992	-46 02 54.39		+0.0011	+0.000	8.9	4					MA	4	229497	V	
4750	-T- 1B CAR	10 37 07.655	-58 33 17.39		-0.0018	-0.004	8.959	2	10.399	2			B	4	238305	D	32

ORIGINAL PAGE IS
OF POOR QUALITY

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	JV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4751	X	CRU	12 43 26.930	-58 51 05.81	-0.0005	-0.012	8.98	7	9.870	7			G5	6	240231	V	
4752	V 377	CEN	12 54 25.854	-47 47 23.97	+0.0001	-0.002	9.0	6					A0	6	223785	V	
4753	TZ	VIR	12 02 02.341	+02 53 52.85	+0.0005	-0.030	9.0	6					A0	6	119203	V	
4754	CH	VIR	12 17 46.864	-08 43 21.01	-0.0014	+0.006	9.0	6					A0	6	138725	V	
4755	UY	CYN	12 22 27.162	+45 51 42.01	+0.0031	-0.044	9.0	6							44163	V	
4756	AY	UMA	11 38 06.521	+30 19 55.02	-0.0041	-0.000	9.0	6							62653	V	
4757	SX	LEO	11 01 05.328	-02 56 05.22	-0.0002	-0.016	9.0	6					A0	6	137968	V	
4758	V 742	CEN	11 25 02.654	-41 14 19.85	+0.0001	-0.015	9.0	6					B9	6	222805	V	
4759	BZ	CAR	10 52 08.613	-61 46 33.66	-0.0015	-0.021	9.0	4					K5	4	251169	V	
4760	GM	CAR	10 35 21.841	-58 58 47.08	-0.0025	-0.013	9.0	7					B9	6	238265	V	
4761	WZ	VEL	10 15 31.820	-47 41 48.69	-0.0022	-0.002	9.0	6					MB	6	221936	V	
4762	RR	SEX	09 52 16.626	+05 26 05.94	+0.0009	-0.038	9.0	6					A2	6	117987	V	
4763	RX	HYA	09 03 14.119	-08 03 35.87	-0.0005	-0.019	9.0	6					A2	6	136572	V	
4764	EY	HYA	08 43 45.951	+01 48 57.23	-0.0021	-0.012	9.0	6					M5	6	117103	V	
4765	V	PYX	08 51 25.693	-34 37 44.43	-0.0025	-0.021	9.0	7					K2	6	199750	V	
4766	GK	HYA	08 28 13.561	+02 26 34.49	-0.0010	+0.017	9.0	6	9.87	7			G4	7	116843	V	
4767	AL	VEL	08 29 35.407	-47 29 46.60	-0.0024	-0.007	9.0	6							220040	V	
4768	AC	LEO	09 57 30.383	+17 42 00.78	-0.0012	-0.008	9.0	6							98890	V	
4769	UV	LYN	09 00 13.796	+38 17 47.83	-0.0054	+0.010	9.0	6							61222	V	
4770	TT	UMA	09 01 18.803	+60 29 12.04	-0.0011	-0.008	9.0	6							14755	V	
4771	VV	CNC	08 08 22.957	+19 17 52.23	+0.0000	-0.035	9.0	6							97631	V	
4772	ZZ	PUP	07 46 12.994	-19 10 02.06	+0.0001	+0.032	9.0	6					B9	6	153429	V	
4773	AD	CMi	07 50 11.740	+01 43 39.14	-0.0012	-0.002	9.0	6					F2	6	116066	V	
4774	RY	GEM	07 24 32.914	+15 45 42.87	+0.0004	-0.017	9.0	6	11.18	7			A2	6	96912	V	
4775	FX	CMi	07 24 43.011	-11 37 07.20	-0.0010	+0.006	9.0	6					S3,9(C1)	7	152891	V	
4776	V 536	MON	07 11 25.006	-02 49 17.45	-0.0009	+0.004	9.0	6					A0	6	134383	V	
4777	RX	GEM	06 46 54.935	+33 17 51.72	-0.0012	-0.019	9.0	6					A2	6	59533	V	
4778	GY	MON	06 50 42.753	-04 30 48.57	-0.0001	+0.000	9.0	6					NB	6	133825	V	
4779	V1395	CYG	20 50 36.049	+46 34 37.73	-0.0021	-0.003	9.0	6	10.65	7			MA	6	50158	V	
4780	VX	CYG	20 55 27.424	+39 59 02.21	-0.0004	+0.021	9.0	6	10.430	7					70716	V	
4781	V1061	CYG	21 05 45.237	+51 50 47.79	+0.0021	+0.037	9.0	6					F8	6	33149	V	
4782	XZ	BOO	13 51 31.543	+17 31 33.64	-0.0028	-0.009	9.0	6							100761	V	
4783	EQ	VIR	13 32 06.611	-08 05 06.74	-0.0186	-0.098	9.0	6					K7VE	7	139419	V	
4784	TV	LAC	22 53 59.451	+53 57 43.47	+0.0007	+0.004	9.0	6					N3	6	34966	V	
4785	TV	AND	22 55 46.040	+42 28 07.17	+0.0008	-0.011	9.0	6							52542	V	
4786	EQ	AQR	23 01 38.654	-16 16 45.22	+0.0013	-0.005	9.0	6					M2	6	165473	V	
4787	WX	CEP	22 29 32.855	+63 15 54.73	+0.0032	-0.017	9.0	6					A0	6	20124	V	
4788	Z	LAC	22 38 53.212	+56 34 04.93	-0.0014	+0.001	9.0	6	9.88	7			F5	6	34693	V	
4789	RR	LAC	22 39 26.840	+56 10 16.01	+0.0003	+0.002	9.0	6	9.70	7			G5	6	34609	V	
4790	CR	CEP	22 44 26.990	+59 10 43.23	-0.0020	+0.018	9.0	6	10.340	7			G0	6	34705	V	
4791	ST	AQR	22 18 24.567	-07 12 59.69	+0.0037	+0.022	9.0	6					F0	6	146035	V	
4792	U	PEG	23 55 25.172	+15 40 30.53	-0.0025	-0.057	9.0	6							108913	V	
4793	V 403	CAS	23 35 13.911	+54 34 13.43	+0.0003	+0.011	9.0	6					G5	6	35610	V	
4794	BM	CAS	00 51 40.707	+63 48 50.47	-0.0025	+0.015	9.0	6							11461	V	
4795	SW	AND	00 21 05.692	+29 07 27.06	-0.0010	-0.028	9.0	6	9.200	7			A7	6	73952	V	
4796	TZ	CAS	23 50 26.800	+60 43 27.64	-0.0034	+0.013	9.0	6							20912	V	
4797	RU	CEP	01 14 23.693	+84 52 10.07	+0.0082	-0.005	9.0	6							220	V	
4798	TT	FOR	01 55 39.803	-26 43 31.02	-0.0012	+0.006	9.0	6	10.62	7	11.94	7	M2	6	167437	V	
4799	VX	PER	02 04 18.099	+58 12 22.87	-0.0011	+0.001	9.0	6					G0	6	22945	V	
4800	BX	AND	02 05 59.307	+40 33 28.27	+0.0018	-0.018	9.0	6					G0	6	37805	V	

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NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	S N
4801	XZ CAS	01 19 40.653	+60 54 55.88		-0.0011	+0.040	9.0	6							11727	V	
4802	OO AQL	19 45 48.347	+09 11 01.52		+0.0044	-0.003	9.0	6					G5	6	125094	V	
4803	T AQL	18 43 20.040	+08 41 22.86		+0.0002	+0.019	9.0	6					M2	6	123804	V	
4804	RS SCT	18 46 25.718	-10 17 56.27		+0.0020	-0.025	9.0	6					G0	6	161860	V	
4805	V 369 SCT	18 48 35.844	-06 24 47.12		+0.0007	-0.019	9.0	6	9.50	7	9.70	7	F8III	7	142702	V	
4806	V 840 AQL	18 54 52.239	+06 37 53.83		-0.0024	-0.025	9.0	6					A2	6	124093	V	
4807	AI CYG	20 29 44.994	+32 21 07.80		+0.0013	-0.004	9.0	6					MA	6	70155	V	
4808	SW CYG	20 05 23.583	+46 09 14.58		-0.0015	-0.001	9.0	6					A2	6	49198	V	
4809	TZ AQL	20 27 40.204	-04 55 22.71		-0.0004	-0.021	9.0	6					MC	6	144506	V	
4810	V 393 CYG	19 57 09.049	+43 09 30.78		-0.0047	-0.025	9.0	6					AN	6	49051	V	
4811	CF CYG	20 00 06.757	+51 56 55.21		+0.0008	+0.008	9.0	5					A2	6	32207	V	
4812	AT VUL	19 51 50.352	+23 25 58.51		-0.0003	+0.002	9.0	6					AN	6	87898	V	
4813	W SCA	18 06 58.299	-15 33 37.33		+0.0004	+0.003	9.0	6					S4C	6	161128	V	
4814	AO SGR	18 09 01.504	-29 52 21.01		+0.0024	+0.012	9.0	6					M3	6	186452	V	
4815	TT SCO	17 36 57.627	-41 36 16.56		+0.0023	-0.009	9.0	4					N3	4	228265	V	
4816	BN SGR	17 43 55.938	-28 07 54.94		-0.0007	-0.030	9.0	6					F5	6	185745	V	
4817	RV OPH	17 32 09.617	+07 16 46.54		-0.0016	+0.001	9.0	6					A0	6	122527	V	
4818	EY LYR	18 38 57.816	+31 37 29.94		-0.0007	+0.003	9.0	6					MB	6	67243	V	
4819	ER SCT	18 40 01.217	-07 44 32.64		-0.0004	+0.012	9.0	6					A0	6	142528	V	
4820	XX SGR	18 21 50.642	-16 49 31.58		+0.0001	-0.002	9.0	6					G5	6	161444	V	
4821	TZ DRA	18 20 50.677	+47 32 32.47		-0.0014	+0.029	9.0	6							47430	V	
4822	V2349 SGR	18 25 31.381	-16 44 02.08		-0.0001	+0.003	9.0	6					B0	6	161502	V	
4823	V 522 HER	17 45 43.432	+40 02 09.40		+0.0012	+0.031	9.0	6							46952	V	
4824	TV DRA	17 08 06.380	+64 22 52.50		+0.0016	+0.005	9.0	6					MCP	6	17364	V	
4825	BE HER	16 23 05.610	+29 21 51.11		-0.0006	-0.023	9.0	6					M3	6	84366	V	
4826	SW OPH	16 13 46.972	-06 51 19.65		+0.0014	-0.020	9.0	6					A0	6	141070	V	
4827	EP TRA	15 44 56.831	-64 06 47.84		-0.0032	+0.060	9.0	6					A0	6	253304	V	
4828	AL VIR	14 08 26.833	-13 04 32.93		-0.0036	-0.019	9.0	6	9.40	7			F5	6	158406	V	
4829	EU VIR	14 09 36.350	-18 30 42.77		-0.0014	-0.001	9.0	6					M4	6	158421	V	
4830	AN VIR	14 15 16.853	-14 28 35.50		-0.0006	+0.005	9.0	6					M5	6	158473	V	
4831	UW LIB	14 28 08.377	-16 35 20.37		+0.0009	+0.006	9.0	6					K0	6	158607	V	
4832	SY CRB	15 34 55.981	+32 44 44.85		+0.0001	-0.029	9.0	6					MC	6	64810	V	
4833	FW LUP	15 19 07.181	-40 44 53.27		-0.0007	-0.013	9.0	6					G0	6	225707	V	
4834	BG VIR	14 44 33.749	+05 05 38.63		+0.0002	+0.002	9.0	6					MR	6	120658	V	
4835	V LIB	14 37 34.862	-17 26 35.95		-0.0012	+0.004	9.0	7							158710	V	
4836	NU ORI	05 33 03.747	-05 17 54.89		+0.0003	-0.005	9.0	6					B1V	7	132328	V	
4837	V 361 ORI	05 33 03.963	-05 27 07.79		-0.0009	+0.030	9.0	6					B8	6	132329	V	
4838	RX PIC	06 31 07.530	-63 29 53.47		+0.0016	+0.053	9.0	7					A0	6	249576	V	
4839	KS MON	06 17 16.568	-05 15 46.52		-0.0013	-0.025	9.0	6					MA	6	133110	V	
4840	CQ AUR	06 00 39.255	+31 19 51.22		-0.0007	-0.010	9.0	6							58699	V	
4841	RT PIC	05 59 14.021	-44 53 51.28		+0.0010	+0.019	9.0	6					G5	6	217667	V	
4842	V 530 ORI	06 02 03.617	-03 11 32.07		+0.0030	-0.084	9.0	6					G0	6	132800	V	
4843	V 643 ORI	06 04 30.514	-02 54 33.56		-0.0023	-0.046	9.0	6					G2	6	132847	V	
4844	WX DOR	04 13 51.226	-53 07 57.96		+0.0026	-0.021	9.0	6					MB	6	233449	V	
4845	RR HOR	03 38 50.659	-52 53 21.12		+0.0151	-0.010	9.0	7					G	6	233216	V	
4846	XY PER	03 46 17.448	+38 49 49.78		+0.0025	-0.016	9.0	6							56726	OV	
4847	X ARI	03 05 48.042	+10 15 23.80		+0.0054	-0.070	9.0	6	9.280	7			A2	6	93297	V	
4848	RY FOR	03 13 42.878	-24 52 33.62		+0.0013	-0.040	9.0	6					M	6	168423	V	
4849	TX CAS	02 48 14.883	+62 34 39.72		-0.0038	+0.006	9.0	6							12477	V	
4850	ST PER	02 56 53.837	+38 59 33.02		-0.0000	-0.013	9.0	6					A	6	56066	V	

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4851	CS ERI	02 35 10.864	-43 10 47.27		+0.0080	+0.009	9.0	6	9.16	7	9.29	7	A2	6	215966	V	
4852	UU ERI	04 34 32.837	-27 40 43.60		+0.0020	+0.016	9.0	6					A7	6	169608	V	
4853	TZ ERI	04 19 12.984	-06 08 09.35		-0.0009	-0.037	9.0	6					A5	6	131144	V	
4854	EY ORI	05 28 51.305	-05 44 23.55		-0.0005	+0.012	9.0	6					FR	6	132209	V	
4855	LP ORI	05 32 42.470	-05 29 47.09		+0.0007	+0.003	9.0	6					B	6	132308	V	
4856	BK AUR	05 06 49.761	+49 37 32.78		-0.0010	-0.012	9.0	6	9.860	7					40075	V	
4857	RV PIC	04 56 18.720	-52 13 18.80		-0.0005	-0.002	9.0	7					B9	6	233758	V	
4858	TX LUP	07 00 40.187	-41 32 14.02		-0.0036	-0.017	9.0	6					G0	6	218304	V	
4859	Y LEP	05 06 46.742	-24 29 16.23		+0.0022	-0.005	9.1	6					M	6	170116	V	
4860	RX ERI	04 47 28.532	-15 49 35.28		-0.0035	-0.030	9.1	6					F2	6	149919	V	
4861	SU TRI	02 15 13.329	+31 31 07.52		+0.0014	+0.001	9.1	6							55442	V	
4862	VZ CET	02 16 56.774	-03 11 42.94		-0.0004	-0.017	9.1	6					M0	6	129828	V	
4863	CD ERI	03 45 20.760	-08 45 52.32		-0.0012	+0.002	9.1	6					A0	6	130726	V	
4864	RU ERI	03 52 25.246	-15 04 49.56		+0.0007	-0.062	9.1	6					FR	6	149243	V	
4865	WW TAU	03 58 34.607	+30 06 56.94		+0.0000	+0.005	9.1	6					K7	6	56908	V	
4866	FT ORI	06 10 58.229	+21 26 33.72		+0.0001	+0.001	9.1	6					A0	6	78120	V	
4867	V 586 ORI	05 34 32.684	-06 11 01.55		+0.0005	+0.012	9.1	6					A0	6	132366	V	
4868	DY TAU	05 39 04.001	+18 31 02.00		+0.0008	-0.013	9.1	6					MC	6	94770	V	
4869	EX ORI	05 22 02.194	-06 11 28.89		-0.0010	-0.018	9.1	6					MR	6	132074	V	
4870	BU DRA	14 57 17.945	+56 57 02.16		-0.0013	-0.020	9.1	6					F5	6	29364	V	
4871	AD BOO	14 32 58.268	+24 51 24.30		-0.0021	-0.049	9.1	6					G0	6	83421	V	
4872	V 610 ARA	16 47 58.531	-57 10 41.03		-0.0021	+0.041	9.1	6	10.7	7	11.76	7	F0	6	244209	V	
4873	V1054 OPH	16 52 48.459	-08 14 42.22		-0.0537	-0.875	9.1	6					K5P	6	141439	DV	
4874	V 438 OPH	17 12 18.801	+11 07 31.89		-0.0009	+0.011	9.1	6					M8	6	102678	V	
4875	V 679 OPH	18 39 31.165	+06 46 10.62		+0.0019	+0.015	9.1	6					NP	6	123817	V	
4876	V 456 OPH	18 40 42.193	+08 47 21.79		-0.0006	+0.026	9.1	6					A2	6	123842	V	
4877	MM HER	17 56 31.954	+22 08 58.93		+0.0005	-0.029	9.1	6					G0	6	85600	V	
4878	CD CyG	20 02 31.534	+33 58 10.52		+0.0003	-0.007	9.1	6							69357	V	
4879	V 480 CyG	19 50 33.743	+34 28 51.02		-0.0032	-0.018	9.1	6					NP	6	69006	V	
4880	AD CyG	20 29 36.431	+32 23 40.26		-0.0003	-0.006	9.1	6					A0	6	70151	V	
4881	KR CyG	20 07 05.148	+30 24 10.64		+0.0031	-0.012	9.1	6							69504	V	
4882	R CAP	20 08 30.184	-14 25 02.37		+0.0003	-0.004	9.1	4							163323	V	
4883	RW AGL	20 09 33.665	+15 54 33.73		-0.0000	+0.007	9.1	6					A3	6	105818	V	
4884	KP AGL	19 00 14.324	+15 43 35.93		-0.0002	+0.006	9.1	6					MB	6	104391	V	
4885	Z PAV	19 30 54.529	-62 52 07.13		+0.0032	-0.034	9.1	7					A0	6	254601	V	
4886	V 909 CyG	19 33 52.284	+28 10 01.26		+0.0029	-0.001	9.1	6							87421	V	
4887	RX OCT	19 40 35.157	-78 50 56.99		+0.0320	-0.007	9.1	6							257730	V	
4888	BR CyG	19 39 25.249	+46 40 01.61		-0.0012	+0.016	9.1	6					F0	6	48721	DV	
4889	V 342 AGL	19 14 39.912	+09 15 13.32		-0.0004	+0.015	9.1	6					A5	6	124466	V	
4890	RS TRI	01 32 00.442	+29 20 01.24		-0.0064	+0.002	9.1	6					MB	6	74803	V	
4891	VY CAS	00 48 24.222	+62 38 57.16		-0.0116	+0.014	9.1	6					MA	6	11434	V	
4892	UY CET	00 24 33.573	-06 52 52.36		-0.0015	-0.027	9.1	6							128767	V	
4893	BG AND	23 28 34.006	+42 59 21.91		+0.0030	+0.036	9.1	6							53108	V	
4894	AB AND	23 09 08.609	+36 37 19.19		+0.0091	-0.059	9.1	6	9.870	7					73069	V	
4895	CK AND	23 10 39.889	+42 14 21.26		-0.0003	+0.028	9.1	6							52797	V	
4896	EZ PEG	23 14 26.000	+25 26 46.25		-0.0052	+0.013	9.1	6					G5	6	91141	V	
4897	AB AGR	22 35 54.870	-14 17 52.56		+0.0006	+0.004	9.1	6							165212	V	
4898	V 764 CEN	13 33 16.917	-33 13 26.73		-0.0005	-0.014	9.1	6	10.28	7	11.37	7	K5	6	204640	V	
4899	UV VIR	13 12 40.468	-17 12 25.58		-0.0068	-0.038	9.1	6					A2	6	157818	V	
4900	TV CVN	13 12 57.474	+42 31 50.10		-0.0013	-0.029	9.1	6							44528	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	C N	SA CAT. NO.	STAR PROP.	G N
4901	YY GEM	07 31 26.284	+31 58 50.39		-0.0154	-0.108	9.1	4					M1E		40199	OV	
4902	SW CMA	07 06 07.882	-22 21 36.06		-0.0006	-0.004	9.1	6					A0	6	173039	V	
4903	AC CAR	07 05 58.097	-58 18 06.02		+0.0027	-0.002	9.1	7					MC	6	234939	V	
4904	RU CAM	07 16 20.363	+69 45 53.38		+0.0030	-0.013	9.1	6	10.090	7			K0	6	14157	V	
4905	UZ PUP	07 39 26.765	-13 16 30.70		+0.0015	+0.050	9.1	6					F2	6	153259	V	
4906	R SEX	09 40 14.064	-07 52 14.91		-0.0005	+0.015	9.1	6					MR	6	137070	V	
4907	TZ CNC	09 01 09.321	+21 08 51.85		+0.0010	-0.006	9.1	6					M0	6	80608	V	
4908	XY UMA	09 06 18.433	+54 41 40.00		-0.0055	-0.175	9.1	6					G5	6	27143	V	
4909	TU CNC	08 49 34.927	+09 16 39.21		+0.0006	-0.013	9.1	6					A2	6	117211	V	
4910	VZ HYA	08 29 13.441	-06 08 56.62		-0.0007	-0.001	9.1	6					F5	6	176006	V	
4911	DO CAR	10 11 37.469	-58 58 14.03		-0.0027	+0.005	9.1	7					H8	6	237813	V	
4912	GG CAR	10 53 58.015	-60 07 30.73		-0.0006	-0.003	9.1	6					PEC	6	251181	V	
4913	AM LEO	10 59 34.180	+10 09 53.20		+0.0006	-0.043	9.1	6					F8	6	99413	V	
4914	RU CRV	12 32 19.166	-20 33 39.20		-0.0016	-0.012	9.1	6					M2	6	180922	V	
4915	AH VIR	12 11 47.864	+12 05 55.26		+0.0015	-0.111	9.1	6					K0	6	100003	V	
4916	V 369 CEN	12 12 20.410	-54 32 32.35		-0.0025	-0.027	9.1	7					MR	6	239799	V	
4917	V 752 CEN	11 40 18.375	-35 32 17.06		-0.0065	-0.014	9.11	5					G0	6	202729	V	
4918	EPS- 2 PYX	09 07 49.898	-30 09 52.57		+0.0014	-0.059	9.110	2	9.300	2			A3	6	200049	V	131
4919	V IND	21 08 11.011	-45 16 42.50		-0.0062	-0.065	9.12	7					A5	6	230567	V	
4920	-H- 1 CEN	13 50 19.324	-31 41 07.91		+0.0001	-0.003	9.132	1	8.992	1	8.432	1	MC	6	204943	V	37
4921	CI VIR	12 30 35.751	+07 31 33.42		+0.0006	-0.023	9.2	6					F5	6	119463	V	
4922	S CRV	12 34 58.847	-16 59 21.25		-0.0018	-0.036	9.2	6					G0	6	157401	V	
4923	RU CEN	12 06 47.574	-45 08 53.09		-0.0018	-0.012	9.2	7						6	223245	V	
4924	RS MUS	12 20 21.446	-75 13 34.37		+0.0016	-0.007	9.2	6						6	256935	V	
4925	TV COM	12 25 26.788	+19 04 44.22		+0.0002	-0.009	9.2	6					G0	6	100109	V	
4926	UW CAR	10 25 02.305	-59 24 51.54		-0.0063	-0.010	9.2	6	9.980	7				6	238071	V	
4927	ZZ UMA	10 26 40.511	+62 04 03.93		+0.0013	-0.018	9.2	6						6	15198	V	
4928	RV CRT	11 16 45.425	-19 33 17.92		-0.0042	-0.005	9.2	6					F8	6	156604	V	
4929	BK HYA	11 17 37.727	-34 58 56.73		-0.0017	+0.008	9.2	6					K5	6	202329	V	
4930	RX CNC	08 11 44.011	+24 53 16.40		+0.0002	-0.010	9.2	7					M8	6	80035	V	
4931	MW PUP	07 54 26.166	-44 46 44.05		-0.0015	+0.002	9.2	6					A0	6	219162	V	
4932	BF VIR	13 45 18.572	-00 20 45.86		+0.0002	-0.025	9.2	6					A0	6	139552	V	
4933	SY CVN	13 08 08.301	+47 18 24.11		+0.0000	+0.023	9.2	6						6	44494	V	
4934	RS IND	21 32 23.080	-70 33 28.78		-0.0109	-0.050	9.2	6						6	257941	V	
4935	AD CAP	21 37 03.793	-16 13 58.52		+0.0032	-0.024	9.2	6					K0	6	164558	V	
4936	DL CYG	21 37 56.298	+48 18 46.10		+0.0012	+0.005	9.2	6						6	51160	V	
4937	AU PEG	21 21 40.385	+18 03 49.37		+0.0005	+0.016	9.2	6						6	107100	V	
4938	RT AQR	22 20 27.643	-22 18 35.64		+0.0023	-0.022	9.2	6					M5	6	191102	V	
4939	T LAC	22 20 08.702	+34 09 40.93		-0.0006	+0.022	9.2	6						6	72272	V	
4940	RU SCL	00 00 14.336	-25 13 24.61		+0.0034	-0.007	9.2	6	9.28	7			A0	6	166011	V	
4941	AN CEP	23 17 12.446	+82 44 13.75		+0.0019	-0.001	9.2	6						6	3887	V	
4942	AH SCL	23 25 47.971	-31 40 41.74		-0.0038	-0.004	9.2	6	10.78	7	12.62	7	MB	6	214568	V	
4943	BS AQR	23 46 11.566	-08 25 24.54		+0.0008	+0.002	9.2	6	8.810	7			F2	6	146923	V	
4944	Z AQR	23 49 40.068	-16 07 57.32		+0.0003	+0.003	9.2	6					M2E	6	165928	V	
4945	AG SCL	23 05 25.021	-35 53 24.89		-0.0035	+0.032	9.2	6	10.76	7	12.32	7	MB	6	214375	V	
4946	V 396 CAS	23 11 23.070	+56 27 56.72		-0.0011	-0.001	9.2	6					A0	6	35242	V	
4947	TW PSC	00 37 09.481	+13 55 33.61		-0.0001	-0.006	9.2	6						6	92012	V	
4948	SZ PHE	01 31 54.597	-43 29 51.32		-0.0004	-0.019	9.2	6						6	215563	V	
4949	Y HYI	00 44 22.397	-79 05 40.08		-0.0005	-0.002	9.2	6						6	255703	V	
4950	XZ CYG	19 31 27.372	+56 16 47.18		+0.0103	-0.019	9.2	6					A3	6	31761	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO CAT. NO.	STAR PROP.	G N
4951	17 B CYG	19 44 33.595	+33 36 45.69		+0.0021	-0.438	9.2	4					K5		68830		
4952	V 353 SGR	19 08 59.273	-19 46 28.87		-0.0023	-0.007	9.2	6					M0	6	162297	V	
4953	RW SGR	19 10 59.089	-18 56 53.19		-0.0000	-0.008	9.2	6					M4	6	162379	V	
4954	V 523 SGR	18 59 44.851	-29 12 58.32		-0.0014	-0.028	9.2	6					A5	6	187605	V	
4955	V 828 CYG	20 36 32.838	+54 19 20.37		-0.0011	-0.012	9.2	6					R8	6	32748	V	
4956	X PAV	20 07 34.184	-60 05 09.20		+0.0059	-0.021	9.2	7					MC	6	254747	V	
4957	V 584 AOL	20 07 54.353	-01 46 35.73		-0.0011	-0.010	9.2	6					M8	6	144135	V	
4958	EG CEP	20 17 17.004	+76 39 10.56		+0.0090	+0.033	9.2	6					A3	6	9710	V	
4959	BE VUL	20 23 27.694	+27 12 18.65		-0.0007	-0.013	9.2	6					A0	6	98663	V	
4960	IT DRA	17 12 02.692	+57 55 11.17		-0.0014	+0.009	9.2	6					M5	6	30298	V	
4961	RY CRB	16 21 07.838	+30 57 55.51		-0.0000	+0.009	9.2	6							65266	V	
4962	EI LIB	15 31 25.452	-22 50 02.58		+0.0006	-0.012	9.2	6					A2	6	183578	V	
4963	SV CAM	06 30 36.662	+82 18 46.30		+0.0232	-0.155	9.2	4					G	4	1038	V	
4964	AA GEM	06 03 28.143	+26 20 06.85		-0.0015	-0.016	9.2	6	10.100	7			K0	6	77963	V	
4965	TX CMA	06 11 18.490	-22 31 57.81		-0.0025	+0.025	9.2	6					BR	6	171416	V	
4966	T FOR	03 27 29.439	-28 34 26.07		+0.0038	+0.006	9.2	6							168584	V	
4967	XZ CET	01 57 52.603	-16 35 15.23		+0.0032	+0.023	9.2	6					A	7	148149	V	
4968	SS FOR	02 05 36.058	-27 06 05.94		+0.0063	-0.026	9.2	6	9.270	7			G0	6	167572	V	
4969	BW ERI	04 04 33.905	-27 48 06.35		-0.0015	+0.000	9.2	6					A3	6	169130	V	
4970	ER ORI	05 08 50.595	-08 36 59.85		+0.0002	-0.014	9.2	6	9.74	7			FR ³	6	131854	V	
4971	RR LEP	05 09 52.102	-13 15 29.70		+0.0000	-0.012	9.2	6					A0	6	150220	V	
4972	-T- 2B CAR	10 36 51.229	-58 55 06.55		-0.0004	-0.008	9.247	2	10.727	2	11.697	2	A	4	238297	D	34
4973	YY ANT	09 59 23.060	-37 51 00.31		+0.0024	-0.016	9.27	4					MB	6	200972	V	
4974	T ANT	09 31 46.781	-36 23 34.78		-0.0009	-0.025	9.28	7	9.770	7			G5	6	200500	V	
4975	AR HYA	09 23 38.211	-23 32 46.35		+0.0016	+0.013	9.3	6					M4	6	177438	V	
4976	AZ CAM	09 06 42.892	+82 08 51.35		-0.0035	-0.030	9.3	6							1470	V	
4977	AO VEL	08 10 24.019	-48 35 43.69		-0.0021	-0.002	9.3	6					B9	6	219585	V	
4978	UZ LEO	10 37 53.923	+13 49 41.12		-0.0009	-0.037	9.3	6							99244	V	
4979	TU VEL	10 16 30.820	-44 59 29.30		-0.0054	+0.012	9.3	6					G0	6	221949	V	
4980	RR CRT	11 29 09.355	-12 06 19.93		-0.0036	-0.019	9.3	6					M5	6	156732	V	
4981	LW CEN	11 35 11.924	-63 04 14.27		+0.0008	+0.015	9.3	7					B1.5V	7	251495	V	
4982	RZ CEP	22 37 27.923	+64 35 42.60		+0.0093	+0.212	9.3	6	9.720	7					20193	V	
4983	V PSA	22 52 34.962	-29 52 43.37		+0.0032	+0.004	9.3	7					MB	6	191491	V	
4984	AY VIR	13 49 15.948	-03 25 45.76		+0.0001	-0.013	9.3	6					MB	6	139594	V	
4985	AM AUR	04 53 22.936	+32 07 30.77		+0.0003	-0.002	9.3	6							57516	V	
4986	SS GEM	06 05 33.530	+22 37 32.77		-0.0000	-0.001	9.3	7					G5	6	78024	V	
4987	RV COL	05 33 50.021	-30 51 26.16		+0.0001	-0.009	9.3	7					G5	6	195996	V	
4988	UV AUR	05 18 33.313	+32 27 51.36		+0.0012	+0.047	9.3	6					PEC	6	57941	V	
4989	EH LIB	14 56 21.520	-00 44 57.27		-0.0008	-0.026	9.3	6	9.48	7			A5	6	140257	V	
4990	CG VIR	14 18 55.990	+06 40 14.44		-0.0005	-0.031	9.3	6					K	6	120410	V	
4991	Z NOR	16 01 22.456	-46 09 27.40		-0.0004	+0.006	9.3	7					B5	6	226485	V	
4992	TT HER	16 52 08.605	+16 55 01.80		+0.0007	-0.055	9.3	6							172464	V	
4993	V HER	16 56 17.878	+35 07 34.98		-0.0026	+0.004	9.3	6							65681	V	
4994	WW DRA	16 38 21.839	+60 47 49.66		+0.0009	-0.062	9.3	4	10.270	7			G5	4	17176	DV	
4995	Z SCT	18 40 16.750	-05 52 15.90		+0.0000	+0.016	9.3	6	10.36	7			G0	6	142532	V	
4996	V 564 OPH	17 49 36.853	+07 57 09.91		+0.0001	-0.018	9.3	6	10.85	7			K2	6	122851	V	
4997	SX DRA	18 03 48.640	+58 23 34.89		-0.0004	+0.017	9.3	6					A7	6	30734	V	
4998	V 788 CYG	20 25 33.554	+31 41 27.10		-0.0002	-0.009	9.3	6							70051	V	
4999	QZ CYG	19 57 15.939	+38 07 29.65		-0.0013	+0.004	9.3	6							69206	V	
5000	AR SGR	18 56 39.868	-23 46 37.43		+0.0014	+0.008	9.3	6					G4	6	187547	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN T.MO.	STAR PROP.	G N
5001	V 843	AJL	19 02 44.886	-06 52 28.73	-0.0007	-0.007	9.3	6					B9	6	143044	V	
5002	SW	PUP	08 17 08.043	-42 35 44.11	-0.0034	+0.008	9.4	6					F0	6	219771	V	
5003	AA	PUP	07 59 28.894	-24 34 40.55	-0.0003	+0.003	9.4	6					F8	6	175004	V	
5004	RR	ANT	09 33 38.178	-39 40 45.61	+0.0016	-0.012	9.4	7					MC	6	200536	V	
5005	YY	UMA	09 40 42.437	+53 59 47.37	-0.0013	-0.004	9.4	6					M5	6	27367	V	
5006	SV	HYA	12 27 52.696	-25 46 17.39	-0.0048	+0.019	9.4	6	9.52	7			A5	6	180855	V	
5007	SU	DRA	11 35 06.832	+67 36 26.96	-0.0072	-0.097	9.4	6	9.520	7			A2	6	15575	V	
5008	TX	CVN	12 42 17.910	+37 02 14.41	+0.0025	-0.019	9.4	6						6	53173	V	
5009	WY	UMA	10 38 50.605	+51 53 41.64	-0.0001	-0.002	9.4	6					A3	6	27736	V	
5010	AL	LEO	09 55 27.805	+18 31 49.02	-0.0004	+0.007	9.4	6						6	98873	V	
5011	BD	VIR	13 23 59.767	-15 50 41.85	-0.0011	+0.009	9.4	6					A5	6	157936	V	
5012	CO	LAC	22 44 28.676	+56 33 42.12	-0.0011	+0.005	9.4	6					B8	6	34798	V	
5013	SV	PSA	21 35 41.983	-33 34 48.53	+0.0013	+0.003	9.4	6					G5	6	213159	V	
5014	GX	LAC	22 44 15.605	+56 35 18.70	-0.0007	+0.009	9.4	6					B5	6	34700	V	
5015	ES	AQR	23 35 43.940	-23 49 56.68	+0.0021	-0.006	9.4	6	10.85	7			M3	6	192052	V	
5016	PV	CAS	23 07 53.426	+58 55 49.26	-0.0000	+0.011	9.4	6					B8	6	35189	V	
5017	SY	PHE	01 28 20.499	-42 57 51.88	+0.0021	-0.022	9.4	6					FA	6	215532	V	
5018	RT	CET	01 14 28.637	-24 06 27.09	-0.0001	+0.013	9.4	6					M2	6	166924	V	
5019	RT	SCL	00 33 59.099	-25 56 55.09	-0.0014	+0.055	9.4	6					A7	6	166406	V	
5020	EF	AND	00 36 58.306	+46 16 52.28	+0.0011	+0.000	9.4	6						6	36559	V	
5021	XZ	DRA	19 09 24.440	+64 46 33.10	+0.0041	+0.029	9.4	6						6	18183	V	
5022	V 540	SGR	17 56 42.079	-35 55 32.98	+0.0014	-0.036	9.4	7					MA	6	209570	V	
5023	XZ	AQL	20 19 32.486	-07 30 41.15	-0.0001	-0.017	9.4	6					A2	6	144345	V	
5024	UU	DRA	20 24 53.875	+75 05 22.04	+0.0033	+0.021	9.4	6					MC	6	9757	V	
5025	V2617	SGR	19 52 18.388	-24 06 10.64	+0.0024	+0.004	9.4	6					A0	6	188715	V	
5026	SY	SGR	18 07 51.217	-23 42 15.39	-0.0004	-0.021	9.4	6					FA	6	186416	V	
5027	AG	DRA	16 01 23.225	+66 56 24.86	-0.0040	-0.041	9.4	6						6	16931	V	
5028	S	UMI	15 31 28.217	+78 46 55.09	-0.0011	-0.040	9.4	6						6	8267	V	
5029	UY	BOO	13 56 20.210	+13 11 41.96	+0.0011	-0.058	9.4	6					A2	6	100803	V	
5030	RU	HYA	14 08 40.868	-28 39 01.06	-0.0038	-0.053	9.4	6					M6E	7	182327	V	
5031	RY	ERI	03 56 42.201	-17 22 16.85	+0.0010	+0.009	9.4	6					G0	6	149294	V	
5032	BT	ERI	03 32 41.545	-39 34 41.88	-0.0011	-0.029	9.4	6					A0	6	144383	V	
5033	CO	ERI	02 33 46.722	-45 17 12.97	+0.0031	-0.003	9.4	6					G0	7	215955	V	
5034	MW	PAV	20 41 17.978	-72 07 55.36	+0.0095	-0.023	9.41	7	9.75	7	9.78	7	A5	6	257849	V	
5035	VY	MIC	20 45 59.901	-33 55 03.36	-0.0007	+0.034	9.5	6					A3	6	212461	V	
5036	BQ	SGR	19 10 54.394	-36 19 51.43	-0.0014	-0.005	9.5	7					A2	6	211072	V	
5037	HH	NOR	15 39 46.615	-51 41 18.74	+0.0002	-0.023	9.5	6					F0	6	242878	DV	
5038	IR	NOR	15 45 24.951	-43 56 30.50	-0.0003	-0.013	9.5	6					A3	6	226234	V	
5039	R	LIB	15 50 45.767	-16 05 19.49	-0.0021	+0.014	9.5	4						6	159561	V	
5040	V 380	SCO	16 52 56.860	-30 14 24.62	-0.0007	-0.041	9.5	7					MA	6	208209	V	
5041	UY	AND	02 35 13.099	+38 57 33.76	-0.0400	+0.305	9.5	6					N3	7	55730	V	
5042	SV	FOR	01 56 06.199	-24 37 19.28	-0.0043	-0.029	9.5	6					F5	6	167442	V	
5043	PX	CAR	06 19 59.828	-54 31 28.63	-0.0034	+0.046	9.5	5					A2	7	234458	V	
5044	SY	CAM	06 02 25.940	+80 04 56.18	+0.0025	-0.026	9.5	6						6	958	V	
5045	AD	CEP	00 27 47.655	+82 19 08.88	-0.0002	-0.014	9.5	6						6	83	V	
5046	Z	AND	23 31 15.316	+48 32 31.54	+0.0002	+0.003	9.5	6					PEC	6	53146	V	
5047	VX	LAC	22 38 44.805	+38 03 39.60	-0.0035	+0.000	9.5	6						6	72615	V	
5048	V	GRU	21 48 46.938	-42 36 28.97	-0.0016	-0.029	9.5	7					F5	6	230871	V	
5049	W	VIR	13 23 26.923	-03 07 08.78	+0.0005	+0.006	9.5	4	10.03	7			G0	4	139335	V	
5050	V 758	CEN	13 49 24.087	-55 17 40.36	+0.0004	-0.003	9.5	6					B9	6	241248	V	

TABLE 5 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAN CAT. NO.	STAP PROP.	G N
5051	X	VEL	09 53 23.128	-41 20 59.23	-0.0011	-0.035	9.5	4					NP		221606	V	
5052	V 644	CEN	11 40 42.230	-60 27 23.96	+0.0008	+0.024	9.5	7					73	6	251552	V	
5053	AL	CAM	11 37 14.810	+80 30 44.53	-0.0079	+0.010	9.5	6							1915	V	
5054	CW	VEL	09 00 49.215	-52 38 36.08	-0.0015	-0.011	9.5	7					B9	6	236527	V	
5055	FF	CEP	08 13 25.809	+85 16 37.20	-0.0011	-0.008	9.5	6					M5	6	1316	V	
5056	V 500	SCO	17 45 24.463	-30 27 35.53	-0.0001	+0.034	9.54	7	10.69	7			K0	6	209288	V	
5057	UW	ARA	17 43 44.761	-48 43 47.02	+0.0001	-0.023	9.6	6					A0	6	228414	V	
5058	SX	SGR	18 42 52.926	-30 32 33.83	+0.0009	-0.002	9.6	7					A2	6	210550	V	
5059	TU	CMA	06 29 32.673	-24 07 37.14	-0.0005	+0.005	9.6	6					A3	6	171888	V	
5060	KV	PUP	07 45 52.766	-48 24 43.06	-0.0045	-0.012	9.6	5					A0	7	218909	V	
5061	SX	CEN	12 18 32.228	-48 56 01.93	-0.0020	+0.012	9.6	7					F5	6	223370	V	
5062	V 680	CYG	21 51 58.539	+53 34 01.56	+0.0017	-0.020	9.6	6					B8	6	13841	V	
5063	SU	IND	20 51 17.423	-45 55 16.65	-0.0014	+0.006	9.6	6					G5	6	230428	V	
5064	ZZ	MIC	20 57 17.815	-42 51 06.94	+0.0052	-0.064	9.7	6					A2	6	230477	V	
5065	BL	AGR	21 11 37.066	-02 11 10.15	-0.0006	+0.008	9.7	6					K2	6	145222	V	
5066	V 606	CEN	13 18 22.400	-60 15 32.93	-0.0024	+0.010	9.7	6					B	6	252281	V	
5067	V 380	CEN	13 24 04.276	-61 36 52.53	-0.0024	+0.006	9.7	7					B8	6	252311	V	
5068	Z	ANT	10 43 40.327	-34 59 16.97	-0.0011	-0.060	9.7	6							201722	V	
5069	SU	PIC	05 16 47.828	-45 37 52.54	-0.0005	-0.005	9.7	6					A0	6	217277	V	
5070	TZ	CRA	18 15 11.385	-43 22 52.60	+0.0019	-0.001	9.7	6					A0	6	228898	V	
5071	V 526	SGR	19 05 02.231	-31 25 40.77	+0.0034	+0.050	9.7	7					A0	6	210970	V	
5072	IN	NOR	15 42 18.889	-51 44 36.80	+0.0010	-0.019	9.7	6					G5	6	242941	V	
5073	RV	LIB	14 33 01.226	-17 49 07.45	-0.0016	-0.029	9.8	7					K	6	158665	V	
5074	Z	AGL	20 12 31.087	-06 18 16.84	-0.0041	-0.013	9.8	6					A7	6	144210	V	
5075	BN	ORI	05 33 47.759	+06 48 12.32	+0.0008	-0.027	9.8	6							112952	V	
5076	Z	HYA	11 45 08.204	-32 59 54.40	-0.0014	+0.001	9.8	7					MC	4	202820	V	
5077	R	CRT	10 58 06.012	-18 03 21.78	-0.0011	+0.005	9.8	4					BR	6	156389	DV	
5078	GW	CAR	09 34 57.419	-59 45 39.56	-0.0022	+0.024	9.8	7					A0	6	237142	V	
5079	V 402	CEN	13 25 00.120	-63 19 30.17	-0.0006	-0.034	9.8	7					A5	6	252319	V	
5080	AN	TUC	23 27 33.672	-58 42 07.46	+0.0049	+0.009	9.8	6					M3	6	247905	V	
5081	ST	PEG	22 46 41.444	+27 05 35.27	+0.0008	+0.001	9.9	7					M0	6	90805	V	
5082	Z	LEO	09 49 16.360	+27 08 29.60	+0.0019	-0.005	9.9	7							81057	V	
5083	Z	VIR	14 07 39.452	-13 04 08.37	+0.0098	-0.120	9.9	7					MD	6	158394	V	
5084	U	CRA	18 37 42.012	-37 53 02.39	-0.0002	-0.024	9.9	7					A0	6	210449	V	
5085	V 620	ARA	17 43 00.106	-56 04 52.86	-0.0006	-0.034	9.9	6					A5M	6	245020	V	
5086	44	CAP	21 40 20.831	-14 37 45.10	-0.0003	+0.027	9.9	7					K2	7	164600	V	
5087	SS	SCO	16 52 00.589	-32 33 03.43	-0.0005	-0.011	10.	7					MB	6	208188	V	
5088	V	NOR	16 06 19.661	-49 06 21.46	-0.0001	-0.001	10.0	7							226545	V	
5089	RX	LUP	15 42 55.581	-47 54 04.69	-0.0007	-0.010	10.0	6							226172	V	
5090	AT	MIC	20 38 43.685	-32 36 35.18	-0.0007	-0.010	10.0	6	11.44	7			PEC	6	212355	V	
5091	V 417	AJL	19 32 56.560	+05 43 38.50	+0.0216	-0.331	10.0	6					G0	6	124824	V	
5092	CT	ERI	04 27 31.924	-33 41 04.34	-0.0006	-0.007	10.0	6					F0	6	195061	V	
5093	AD	LEO	10 16 53.900	+20 07 19.18	-0.0017	+0.006	10.0	6					M4E	6	81292	V	
5094	RT	CAR	10 42 50.212	-59 09 00.60	-0.0346	-0.049	10.0	6							238424	V	
5095	DV	HYA	11 53 51.670	-33 59 46.28	-0.0022	-0.017	10.0	6					MA	6	202955	V	
5096	SW	CEN	12 15 08.087	-49 27 23.38	-0.0005	-0.050	10.0	6					A0	6	223377	V	
5097	V 602	CEN	12 56 58.190	-58 14 43.49	+0.0001	-0.008	10.0	7					B8	6	240459	V	
5098	V 396	CEN	13 14 11.453	-61 19 13.93	-0.0039	-0.005	10.	7					MR	6	252241	V	
5099	Y	LEO	09 33 58.564	+26 27 26.73	-0.0010	-0.014	10.09	7					A	6	80927	V	
5100	AA	VEL	10 49 13.366	-56 08 41.96	+0.0015	-0.026	10.1	7					B5	6	238531	V	

TABLE 3 CONTINUED
STAR DESIGNATIONS AND STAR DATA ORDERED BY VISUAL MAGNITUDE

NUMBER	STAR DESIGNATION	RT. ASCEN. HR MN SEC	DECLINATION DEG MN SEC	P N	RA PM	DEC PM	VISUAL MAG.	V N	BLUE MAG.	B N	UV MAG.	U N	SPECTRAL CLASS	S N	SAO C.T. NO.	STAR PROP.	G N
5101	V 413	CEN	14 01 10.550	-58 39 10.47	-0.0020	-0.007	10.1	7					A0	6	241417	V	
5102	RW	CRB	15 37 12.525	+29 47 01.02	-0.0012	-0.005	10.1	7					F8	6	23931	V	
5103	V 607	SCO	17 02 56.050	-35 53 58.14	-0.0004	-0.004	10.2	7					B8	6	208404	V	
5104	S	VUL	19 46 20.662	+27 09 38.92	-0.0009	-0.006	10.2	4					M2	4	87743	V	
5105	TT	TAU	04 48 22.995	+28 26 35.85	+0.0014	+0.003	10.2	7					N3	6	76788	V	
5106	RT	PUP	08 03 32.059	-38 37 57.89	-0.0017	+0.010	10.2	7					N8	6	198783	V	
5107	RT	TAU	05 01 11.926	+23 34 43.11	-0.0002	+0.000	10.3	7					A0	6	76934	V	
5108	SX	SCO	17 44 06.488	-35 41 03.62	-0.0021	-0.031	10.5	7					N0	6	209256	V	
5109	TU	CEN	14 31 01.988	-31 28 30.48	-0.0036	-0.008	10.6	7					MD	6	205701	V	
5110	UY	PEG	22 42 23.740	+30 01 46.18	+0.0027	-0.008	10.6	7					M1	6	72680	V	
5111	W	HOR	02 42 42.122	-54 30 41.59	-0.0011	+0.004	10.7	7					MC	6	232872	V	
5112	V 603	CEN	13 02 03.694	-35 19 22.41	-0.0003	-0.014	11.	7					K0	6	204103	V	
5113	V 449	CEN	12 35 38.462	-35 29 59.40	-0.0032	+0.007	11.0	7					G8	6	203655	V	
5114	TU	TAU	05 42 09.717	+24 24 01.27	+0.0000	-0.006	11.1	7					M3	6	77502	V	
5115	RU	GRU	22 24 06.216	-37 26 36.66	+0.0002	-0.025	11.3	7					A0	6	213820	V	
5116	SU	SCO	16 37 25.273	-32 17 01.11	+0.0021	+0.011	11.7	7					N0	7	207911	V	

Table 6 Notes

<u>Note Number</u>	<u>Designations</u>	<u>Comment</u>
1	57 GAM-1 AND	Magnitudes are based upon separation of common values shared with 57 GAM-2 AND.
2	57 GAM-2 AND	Magnitudes are based upon separation of common values shared with 57 GAM-1 AND.
3	55 ZET-1 AQR	Magnitudes are based upon separation of common values shared with 55 ZET-2 AQR.
4	55 ZET-2 AQR	Magnitudes are based upon separation of common values shared with 55 ZET-1 AQR.
5	25 ARI	25 ARI is now in Cetus.
6	5 GAM-1 ARI	Magnitudes are based upon separation of common values shared with 5 GAM-2 ARI.
7	5 GAM-2 ARI	Magnitudes are based upon separation of common values shared with 5 GAM-1 ARI.
8	1 AUR	1 AUR is now in Perseus.
9	17 KAP-1 BOO	Magnitudes are based upon U-V, R-V, and I-V values shared with 17 KAP-2 BOO.
10	17 KAP-2 BOO	Magnitudes are based upon U-V, R-V, and I-V values shared with 17 KAP-1 BOO.
11	29 PI -1 BOO	Magnitudes are based upon separation of common values shared with 29 PI-2 BOO.
12	29 PI -2 BOO	Magnitudes are based upon separation of common values shared with 29 PI-1 BOO.
13	25 CAM	25 CAM is now in Auriga.
14	35 CAM	35 CAM is now in Auriga.
15	45 CAM	45 CAM is now in Lynx.
16	46 CAM	46 CAM is now in Lynx.
17	48 CAM	48 CAM is now in Lynx.
18	52 CAM	52 CAM is now in Lynx.
19	54 CAM	54 CAM is now in Lynx.
20	55 CAM	55 CAM is now in Ursa Major

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comment</u>
21	56 CAM	56 CAM is now in Ursa Major.
22	57 CAM	57 CAM is now in Ursa Major.
23	16 ZET-1 CNC	Magnitude is combined magnitudes of Yale 3208 and 3209.
24	48 IOT-1A CNC	Magnitudes are based upon separation of common values shared with 48 IOT-1B CNC.
25	48 IOT-1B CNC	Magnitudes are based upon separation of common values shared with 48 IOT-1A CNC.
26	23 PHI-2A CNC	B-V value shared with 23 PHI-2B CNC.
27	23 PHI-2B CNC	B-V value shared with 23 PHI-2A CNC.
28	1 CVN	1 CVN is now in Ursa Major.
29	-B-1A CAR	Magnitudes are based upon separation of common values shared with -B-1B CAR.
30	-B-1B CAR	Magnitudes are based upon separation of common values shared with -B-1A CAR.
31	-T-1A CAR	Magnitudes are based upon separation of common values shared with -T-1B CAR.
32	-T-1B CAR	Magnitudes are based upon separation of common values shared with -T-1A CAR.
33	-T-2A CAR	Magnitudes are based upon separation of common values shared with -T-2B CAR.
34	-T-2B CAR	Magnitudes are based upon separation of common values shared with -T-2A CAR.
35	UPS-1 CAR	Magnitudes are based upon separation of common values shared with UPS-2 CAR.
36	UPS-2 CAR	Magnitudes are based upon separation of common values shared with UPS-1 CAR.
37	-H-1 CEN	Magnitudes are based upon separation of common values shared with 4 -H-2 CEN.
38	4 -H-2 CEN	Magnitudes are based upon separation of common values shared with -H-1 CEN.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
39	3 -K-1 CEN	Magnitudes are based upon separation of common values shared with 3 -K-2 CEN.
40	3 -K-2 CEN	Magnitudes are based upon separation of common values shared with 3 -K-1 CEN.
41	R CEP	R CEP is now in Ursa Minor.
42	4 CET	4 CET is now in Pisces.
43	5 CET	5 CET is now in Pisces.
44	54 CET	54 CET is now in Aries.
45	85 CET	85 CET is now in Aries.
46	68 OMI CET	Magnitudes and colors are with respect to maximum illumination.
47	42 ALP COM	Magnitudes are combined magnitudes of Yale 4968 and 4969.
48	GAM CRA	Magnitudes are combined magnitudes of Yale 7226 and 7227.
49	7 ZET-1 CRB	B-V value shared with 7 ZET-2 CRB.
50	7 ZET-2 CRB	B-V value shared with 7 ZET-1 CRB.
51	2 ETA CRB	Magnitudes are combined magnitudes of Yale 5727 and 5728.
52	17 SIG CRB	Position is that of component A of a double star system. Magnitude is combined magnitudes of Yale 6063 and 6064.
53	31 CRT	31 CRT is now in Corvus.
54	ALP-1 CRU	Magnitudes are based upon separation of common values shared with ALP-2 CRU.
55	ALP-2 CRU	Position and proper motion is that given by GC 16953. Magnitudes are based upon separation of common values shared with ALP-1 CRU.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
56	61 CYG	Magnitudes are combined magnitudes of Yale 8085 and 8086.
57	34 P CYG	Shell star Nova 1600.
58	VI357 CYG	X-ray source CYG X-1.
59	78 MU-1 CYG	Magnitudes are based upon separation of common values shared with 78 MU-2 CYG.
60	78 MU-2 CYG	Magnitudes are based upon separation of common values shared with 78 MU-1 CYG.
61	12 GAM-1 DEL	Magnitudes are based upon separation of common values shared with 12 GAM-2 DEL.
62	12 GAM-2 DEL	Magnitudes are based upon separation of common values shared with 12 GAM-1 DEL.
63	17 DRA	Magnitude is combined magnitudes of Yale 6185 and 6186.
64	77 DRA	77 DRA is now in Cepheus.
65	78 DRA	78 DRA is now in Cepheus.
66	79 DRA	78 DRA is now in Cepheus.
67	21 MU DRA	Magnitude is combined magnitudes of Yale 6369 and 6370.
68	44 ERI	44 ERI is now in Taurus.
69	49 ERI	49 ERI is now in Taurus.
70	-F-1 ERI	Magnitudes are based upon separation of common values shared with -F-2 ERI.
71	-F-2 ERI	Magnitudes are based upon separation of common values shared with -F-1 ERI.
72	32 -W-1 ERI	Magnitudes are based upon separation of common values shared with 32 -W-2 ERI.
73	32 -W-2 ERI	Magnitudes are based upon separation of common values shared with 32 -W-1 ERI.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
74	THE-1 ERI	Magnitudes are based upon separation of common values shared with THE-2 ERI.
75	THE-2 ERI	Magnitudes are based upon separation of common values shared with THE-1 ERI.
76	23 HER	23 HER is now in Corona Borealis.
77	75 RHO-1 HER	Magnitudes are based upon separation of common values shared with 75 RHO-2 HER.
78	75 RHO-2 HER	Magnitudes are based upon separation of common values shared with 75 RHO-1 HER.
79	R HYA	Magnitudes and colors are with respect to maximum.
80	T LAC	T LAC is now in Pegasus.
81	54 A LEO	Magnitudes are based upon separation of common values shared with 54B Leo.
82	54 B LEO	Magnitudes are based upon separation of common values shared with 54A Leo.
83	41 GAM-1 LEO	Magnitudes are based upon separation of common values shared with 41 GAM-2 LEO.
84	41 GAM-2 LEO	Magnitudes are based upon separation of common values shared with 41 GAM-1 LEO.
85	14 LMI	14 LMI is now in Ursa Major.
86	15 LMI	15 LMI is now in Ursa Major.
87	18 LMI	18 LMI is now in Leo.
88	47 LMI	47 LMI is now in Ursa Major.
89	52 LMI	52 LMI is now in Leo.
90	37 LYN	37 LYN is now in Ursa Major.
91	39 LYN	39 LYN is now in Ursa Major.
92	41 LYN	41 LYN is now in Ursa Major.
93	KAP-1 LUP	Magnitudes are based upon separation of common values shared with KAP-2 LUP.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
94	KAP-2 LUP	Magnitudes are based upon separation of common values shared with KAP-1 LUP.
95	XI -1 LUP	Magnitudes are based upon separation of common values shared with XI-2 LUP.
96	XI -2 LUP	Magnitudes are based upon separation of common values shared with XI-1 LUP.
97	PI LUP	Magnitudes are combined magnitudes of Yale 5605 and 5606.
98	5 EPS-2 LYR	Magnitude is combined magnitudes of Yale 7053 and 7054.
99	4 MON	4 MON is now in Lepus.
100	30 MON	30 MON is now in Hydra.
101	11 BET-1 MON	Magnitudes are based upon separation of common values shared with 11 BET-2 MON.
102	11 BET-2 MON	Magnitudes are based upon separation of common values shared with 11 BET-1 MON.
103	8 EPS-1 MON	Magnitudes are based upon separation of common values shared with 8 EPS-2 MON.
104	8 EPS-2 MON	Magnitudes are based upon separation of common values shared with 8 EPS-1 MON.
105	EPS-1 NOR	Magnitudes are based upon separation of common values shared with EPS-2 NOR.
106	EPS-2 NOR	Magnitudes are based upon separation of common values shared with EPS-1 NOR.
107	63 OPH	63 OPH is now in Sagittarius.
108	36 A-1 OPH	Magnitudes are based upon separation of common values shared with 36 A-2 OPH.
109	36 A-2 OPH	Magnitudes are based upon separation of common values shared with 36 A-1 OPH.
110	5 RHO-2 OPH	Magnitudes are based upon separation of common values share with 5 RHO-3 OPH.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
111	5 RHO-3 OPH	Magnitudes are based upon separation of common values shared with 5 RHO-2 OPH.
112	69 TAU OPH	Magnitudes are combined magnitudes of Yale 6733 and 6734.
113	77 ORI	77 ORI is now in Monoceros.
114	78 ORI	78 ORI is now in Monoceros.
115	GQ ORI	Kukarkin calls HD 42532 as GQ ORI.
116	50 ZET ORI	Position is that of HD 37742.
117	41 THE-1 ORI	Position is that of HD 37022. Magnitudes are combined values of HD 37020 through 37023.
118	39 LAM ORI	Position is that of HD 36861.
119	48 SIG-2 ORI	Position and proper motion is that given by GC 7032.
120	6 PER	6 PER is now in Andromeda.
121	2 PSA	2 PSA is now in Microscopium.
122	3 PSA	3 PSA is now in Microscopium.
123	-K-1 PUP	Magnitudes are based upon separation of common values shared with -K-2 PUP.
124	-K-2 PUP	Magnitudes are based upon separation of common values shared with -K-1 PUP.
125	L-2 PUP	Magnitudes and colors are with respect to minimum.
126	-N-1 PUP	Magnitudes are based upon separation of common values shared with -N-2 PUP.
127	-N-2 PUP	Magnitudes are based upon separation of common values shared with -N-1 PUP.
128	-Y-0 PUP	Becvar calls this Y PUP.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>	<u>Comments</u>
129	SIG PUP	Magnitudes are based upon separation of common values shared with SAO 218757.
130	EPS-1 PYX	Magnitudes are based upon separation of common values shared with EPS-2 PYX.
131	EPS-2 PYX	Magnitudes are based upon separation of common values shared with EPS-1 PYX.
132	14 SGE	14 SGE is now in Aquila.
133	64 SGR	64 SGR is now in Aquila.
134	BFT-1A SGR	Magnitudes are based upon separation of common values shared with BET-1B SGR.
135	BET-1B SGR	Magnitudes are based upon separation of common values shared with BET-1A SGR.
136	24 SCO	24 SCO is now in Ophiuchus.
137	V 862 SCO	Visual magnitude may now be 9.50.
138	8 BET-1 SCO	Magnitudes are based upon separation of common values shared with 8 BET-2 SCO.
139	8 BET-2 SCO	Magnitudes are based upon separation of common values shared with 8 BET-1 SCO.
140	XI -1 SCO	Magnitudes are combined magnitudes of Yale 5977 and 5978.
141	ZET SCL	Position and proper motion is that given by GC 33337.
142	2 SCP	2 SCP is now in Virgo.
143	30 SCP	30 SCP is now in Libra.
144	49 SCP	49 SCP is now in Hercules.
145	1 M SCP	1 M SCP is now in Virgo.
146	13 DEL-1 SCP	Magnitudes are based upon separation of common values shared with 13 DEL-2 SCP.
147	13 DEL-2 SCP	Magnitudes are based upon separation of common values shared with 13 DEL-2 SCP.

Table 6 Notes (cont.)

<u>Note Number</u>	<u>Designations</u>		<u>Comments</u>
148	62	SCA	62 SCA is now in Aquila.
149	2	SEX	2 SEX is now in Hydra.
150	37	SEX	37 SEX is now in Leo.
151	38	SEX	39 SEX is now in Leo.
152	118	A TAU	Magnitudes are based upon separation of common values shared with 118B TAU.
153	118	B TAU	Magnitudes are based upon separation of common values shared with 118A TAU.
154	141	TAU	141 TAU is now in Gemini.
155	KAP-1	TUC	Magnitudes are based upon separation of common values shared with KAP-2 TUC.
156	KAP-2	TUC	Magnitudes are based upon separation of common values shared with KAP-1 TUC.
157	10	UMA	10 UMA is now in Lynx.
158	79 ZET-1	UMA	Magnitudes are based upon separation of common values shared with 79 ZET-2 UMA.
159	79 ZET-2	UMA	Magnitudes are based upon separation of common values shared with 79 ZET-1 UMA.
160	2	UMI	2 UMI is now in Cepheus.
161	-S-1	VEL	Magnitudes are based upon separation of common values shared with -S-2 VEL.
162	-S-2	VEL	Magnitudes are based upon separation of common values shared with -S-1 VEL.
163	GAM-1	VOL	Magnitudes are based upon separation of common values shared with GAM-2 VOL.
164	GAM-2	VOL	Magnitudes are based upon separation of common values shared with GAM-1 VOL.
165	34	VUL	34 VUL is now in Pegasus.